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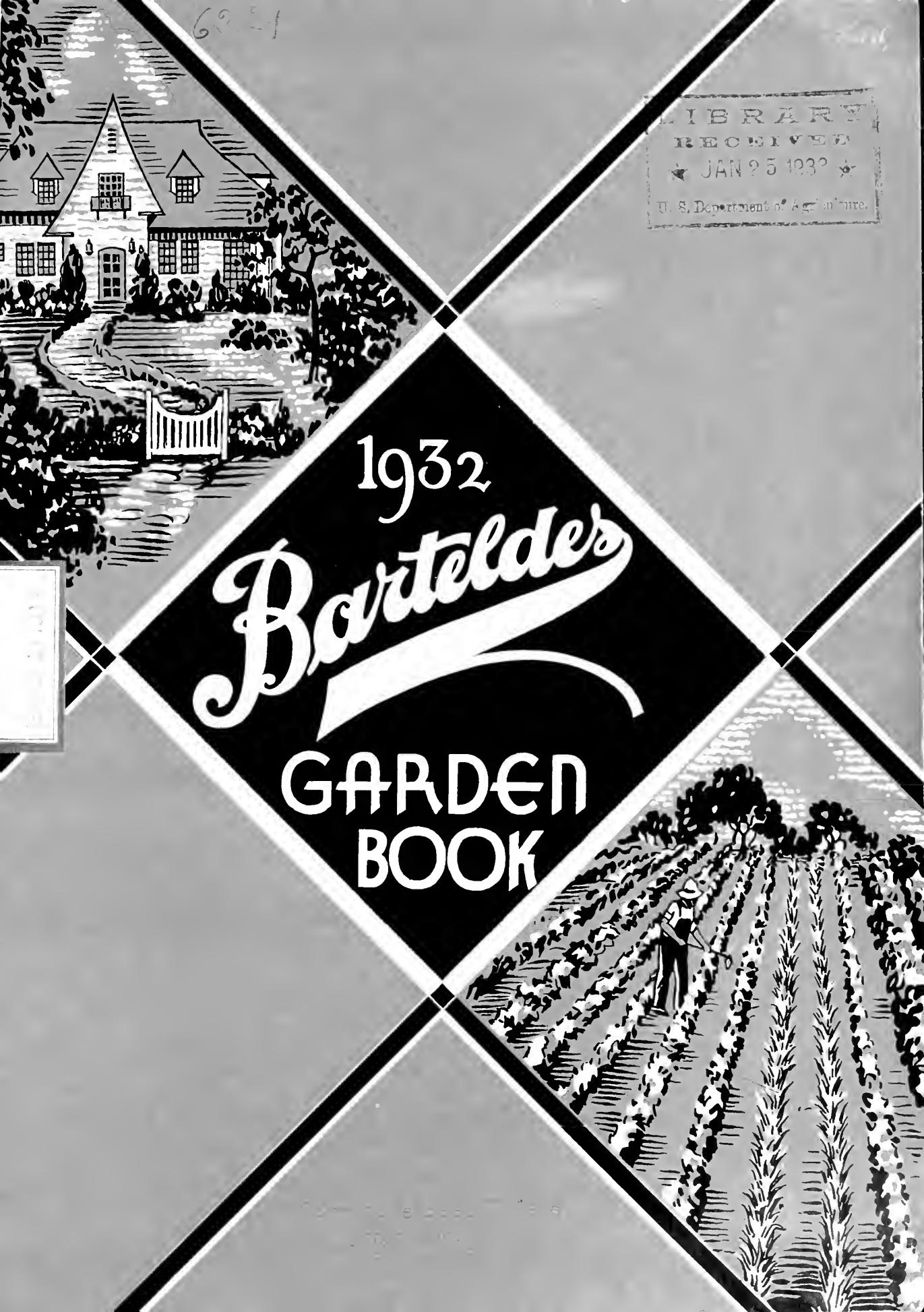
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U. S. Department of Agriculture.

1932
Bartelder
GARDEN
BOOK



Wedo

Feeds Grass - Fights Weeds

FEEDS GRASS

FIGHTS WEEDS

Wedo is a balanced fertilizer made especially for lawn grasses—not a general purpose plant food. You can expect better results when you use this special combination of organic and mineral feeding elements.

Wedo builds up a thick, beautiful lawn that crowds weeds out. It is easy to use—and it's economical, because $1\frac{1}{2}$ lbs. is all you need for 100 sq. ft. Use Wedo and have a beautifully green lawn. Order today.

10 lbs.	\$0.95
25 lbs.	2.00
50 lbs.	3.75
100 lbs.	6.50



No. 32

ESTABLISHED 1894
SACCO
TRADE MARK REGISTERED

PLANT FOOD

Makes things Grow!

Prize-winning lawns, flowers, vegetables . . .

Growing things respond quickly when given this excellent plant food. You can expect better results when you use SACCO.

Clean, odorless, easy to use. Complete directions and handy sifter cap for applying in each bag.

1 lb. Can.....	\$0.15
5 lb. Bag.....	.50
10 lb. Bag.....	.85
25 lb. Bag.....	1.75
50 lb. Bag.....	3.00
100 lb. Bag.....	5.00



Dubay Seed Disinfectants

SEMESAN BEL

4 oz. tin.....	\$0.50
1 lb. tin.....	1.75
5 lb. tin.....	8.00

SEMESAN JR.

4 oz. tin.....	\$0.50
1 lb. tin.....	1.75
5 lb. tin.....	8.00

SEMESAN BEL—for seed potatoes

Potato diseases cause a loss equivalent to the yield of 1 acre in every 5 or 6 acres planted. Much of this loss can be prevented by treating seed before planting with Semesan Bel, the instantaneous dip disinfectant. Effective in controlling such seed-borne diseases as scab, rhizoctonia and black leg. Protects seed piece from rotting caused by certain soil borne organisms, improves germination and usually produces a bigger crop of better quality. One pound treats 16 to 22 bushels of seed. Prices: 4 oz., 50c; 1 lb., \$1.75; 5 lbs., \$8.00; 25 lbs., \$31.25.



SEMESAN JR.—for seed field and sweet corn

Our corn crop is reduced over 80 million bushels annually by diseases that are carried on the seed. Destroy these costly diseases by treating your seed corn with Semesan Jr. Simple, quick, effective. Costs only $2\frac{1}{2}$ c an acre. Harmless to seed, does not slow up the rate of drop. Semesan Jr. destroys harmful disease organisms on the seed, protects seed from rotting in cold wet soil, makes earlier planting possible, controls seedling blight, reduces root and stalk rots and generally increases crop yields. Use 2 oz. per bushel of seed. Prices: 4 oz., 5c; 1 lb., \$1.75; 5 lbs., \$8.00; 25 lbs., \$31.25.

SEMESAN

2 oz. tin.....	\$ 0.50
1 lb. tin.....	2.75
5 lb. tin.....	13.00

CERESAN

1 lb. tin.....	\$ 0.75
5 lb. tin.....	3.00
25 lb. pail.....	12.50

SEMESAN—for vegetable and flower seeds

Diseases often reduce germination and result in a poor stand, lowered quality and reduced yield of vegetables and flowers. Kill these harmful disease organisms on the seed with Semesan before planting. Semesan may be applied as a dust or liquid and is harmless to seeds. Effective in controlling damping-off of seedlings and certain cuttings. Full directions in can for use on vegetable and flower seeds and bulbs. Prices: 2 oz., 50c; 1 lb., \$2.75; 5 lbs., \$13.00; 25 lbs., \$56.25.

CERESAN—for seed grains

Why lose part of your grain crops through smuts and other diseases? Prevent them and protect your profits by treating all seed grains with Ceresan before sowing. Effective in controlling stinking smut and seed-borne flag smut of wheat; seedling blight of cereals caused by seed-borne scab; smuts of oats; covered smut and stripe of barley; kernel smuts of sorghums and millets; and seed-borne stem smut of rye. Seed may be treated in spare time. Ceresan is harmless to seed and does not injure grain drills. Only 2 ounces needed per bushel of seed wheat, rye, sorghums or millets and 3 ounces for oats and barley. Prices: 1 lb., 75c; 5 lbs., \$3.00; 25 lbs., \$12.50.

Cannot Be Mailed

Read this Important Message

A FLOWER GARDEN
Should Bloom in every
Yard

There is no need to try
to tell you why you
should have a flower
garden. You, yourself,
have seen the beautiful
results of a well-planned
flower garden. Our stocks
of flower seeds, bulbs and
plants are complete and
fresh.



from your home merchant to all the folks in this community

You may save from \$60 to \$75 on your food bill

We personally know someone in most every family in this town and countryside. We have talked with many of them about the troubles they have had to bear in these depressed times. After all, your burdens are our problems, too. This leads us to this conclusion:

—If more of our people would go back to planting a garden and raise their own vegetables, they would live better, feel better and be more prosperous.

—So in offering you Barteldes garden and flower seeds, we point with pride to the fact that our prices are down where they were 30 years ago, and we sincerely believe that we will be doing you a real favor in selling you these seeds.

Get back to the old days of thrift our fathers and mothers told us about. Plant a vegetable garden this spring. There are a lot of good reasons for doing this.

You know fresh, tender vegetables from your own garden always taste better. You get a lot of fun out of working in your own garden and seeing things grow. A half hour a day will keep a good sized garden in tip-top shape.

The money you save by raising your own vegetables is considerable. You can deduct \$60.00 to \$75.00, in some cases more, from your food bill.

We sell Barteldes seeds because everybody knows they are of fine quality, pure strain, and moderately priced.

IN 1867 THE EARLY SETTLERS BOUGHT

Barteldes seeds in a small pioneer frontier shop, selling seeds to a few hundred settlers. Realizing that agriculture is the basis of all prosperity, the owner of this small store decided that "the endeavor of this house will be to supply the needs of these people" and as more people came, the demand for pure seeds increased. Hundreds of thousands of people come to us for good seeds. Barteldes is a pioneer business, built upon service.



GOLD MEDAL

Awarded to
BARTELDES SEEDS
Paris Exposition, 1900

SAME FRESH STOCK

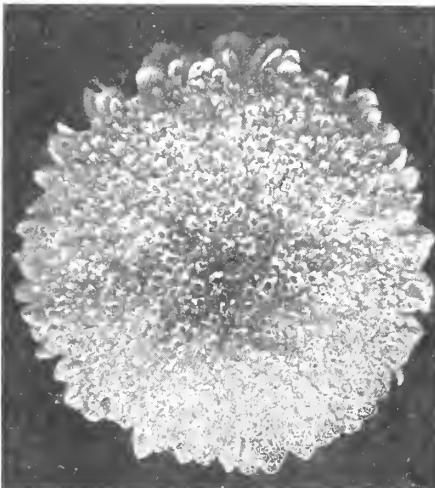
Our stocks are fresh. If they are planted properly, and brought up under the right conditions, they will give you surprising results.

Don't Put This Off

Have a Garden THIS Year

NEW VARIETIES

Aster



AURORA GOLDEN QUEEN—A new variety, recently developed in Italy. The center of the flower is a clear blue with outside petals of lemon yellow. A flower of gorgeous beauty and one you will be proud to have in your garden. Pkt., 20c.

Mustard Spinach

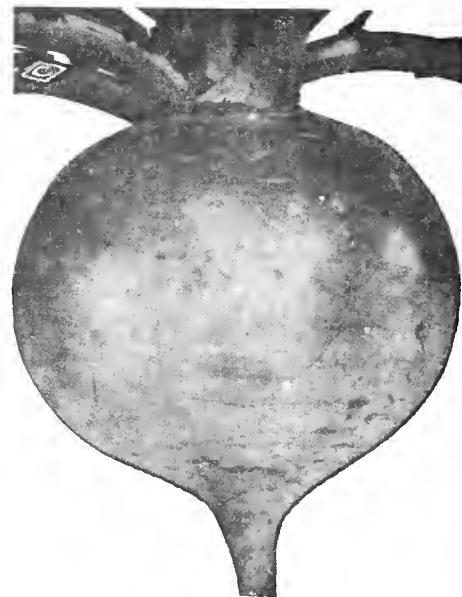
Komatsuna or Tender Green

A quick growing plant similar to foliage turnip, but produces a crop of leaves in a much shorter time. The earliest and quickest growing "green" on the market. Very popular in the south. Pkt., 5c; oz., 20c; 1/4 lb., 65c, postpaid.

Turnip Broccoli

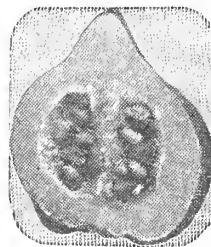
This new vegetable or "green" is of the sprouting Broccoli type, except that it bears no central head, only small buds on leafy branches. Branches are cut from main stem leaves and stems and small heads are cooked together as a "green". Takes the place of such greens as Seven Top Turnip. Delicious flavor. Pkt., 10c; oz., 40c; 1/4 lb., \$1.50, postpaid.

Shogoin



Foliage Turnip

A Japanese variety, used both for turnip greens and as a turnip. Produces bright green upright leaves and a sweet, tender, white globular root. Pkt., 5c; oz., 15c; 1/4 lb., 50c; lb., \$1.75, postpaid.



Squash

TABLE QUEEN—Also called Acorn and DesMoines. A small squash, 6 to 8 inches long by 3 inches in diameter. Shaped somewhat like an acorn with sides scalloped. Color of rind deep green, turning to orange when ripening. Matures early and is very prolific. Pkt., 5c; oz., 15c; 1/4 lb., 50c; lb., \$1.75, postpaid.

Samples. When you are in the market for field seeds, we shall consider it a favor for you to write us for samples. They will be cheerfully and promptly sent, postpaid, and do not obligate you to buy.

Seeds By Mail. We will send, postpaid, all Garden and Flower Seeds at the prices given in the following list, with the exception of heavy seeds, as Beans, Peas, Corn, Clover, Grain, Grass Seeds, and Onion Sets. If you order these by mail, please be sure to add postage.

Seeds Now Go By Parcel Post. Take advantage of this low rate of postage. The rates for the lower zones or up to a distance of 300 miles are very low.

How to Order. Fill out the order sheet enclosed herewith, writing your name and address very plainly. If you have lost our order blank any kind of paper will do. Just be sure you write your name and address plainly. We'll take care of the order.

Send Cash With Order. Remittances may be made by Money Order, Draft, Currency, or Stamps. We will accept any amount of stamps the same as cash, but we prefer to have 5, 10, 15, and 25 cent stamps. Be sure you register your letters if they contain cash. Money orders are the most economical and practical means of remitting.

Order Early. Orders sent in early are to our mutual advantage. By ordering early you are sure to have your seeds on hand and ready for planting at the right time. As we get a tremendous rush of orders during March and April, every order filled during January and February helps us just that much.

Barteldes Service. We have complete stocks of all seeds at Lawrence, Kansas, and Denver, Colorado. This gives us two excellent shipping points. Order from the house which will be the most convenient for you.

Barteldes Seeds Must Please You. When you receive the seeds, examine them carefully, test them in any way you wish and should you find them not satisfactory, return them in ten days and your money will be refunded. We cannot, however, guarantee a crop. Therefore, to protect ourselves against unjust and perhaps fraudulent claims we, as all other seed houses, sell our seeds without warranty. The Barteldes Seed Co. gives no warranty, express or implied, as to the description, quality, productiveness or any other matter of any seeds, bulbs or plants they send out. If the purchaser does not accept the goods on these terms, they are to be returned at once.

WHENEVER POSSIBLE BUY

Barteldes
SEEDS

FROM YOUR DEALER

Artichoke

Per Pkt. **10c** Oz., 60c; $\frac{1}{4}$ Lb., \$2.25;
Per Lb., \$8.00, Postpaid

CULTURE—Requires some protection during the winter months in most northern sections. If the seed is sown indoors in February or March, and the young plants pricked into pots before setting in the open, edible heads may be cut the first season. If the seeds are sown outdoors in early spring, the plants should be set in the field the following spring in rows 4 feet apart and 2 feet apart in the row, and placed firmly in the ground but not too deep.

Uses of the Globe Artichoke

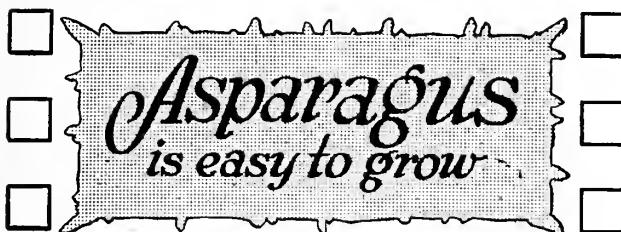
The edible parts are the base of the flower head and the midribs of the large blanched leaves; the latter are called chards. The flower head scales must be cut when young and tender, are generally eaten raw, but may be boiled and served as salad, or cooked and eaten like asparagus.

Large Green Globe

The flower heads are globular or somewhat elongated. Scales are green shading to purple. Do not mistake this for the Jerusalem Artichoke which is a distinct variety used for stock feed only.



Large Green Globe



PRICES FOR ALL VARIETIES EXCEPT MARTHA
WASHINGTON

PER **5C** OUNCE, 10c; $\frac{1}{4}$ LB., 35c; 1 LB., \$1.00, POSTPAID.
5 LBS., NOT POSTPAID, \$4.50

CULTURE—Asparagus, which is one of our earliest spring vegetables, is also one of the most widely appreciated and extensively cultivated. Although well-drained, light soil is best for this purpose, it can be grown in any soil which is not too wet. Seed should be sown in March or April, in good soil, in rows 14 inches apart, and lightly covered with a layer of soil $\frac{1}{2}$ to $\frac{3}{4}$ inches deep.



Martha Washington

When the seed is up and plants have begun to gain some strength, they should be thinned out so as to leave a space of about 2 inches from plant to plant. Prepare the permanent bed by digging a trench 18 inches wide and 20 inches deep. Fill this one-third full with well rotted manure and tramp it down well. Half fill the remaining space with good soil, and on this set the root clumps of the Asparagus, one foot apart. Cover the roots by filling the trench to the surface of the ground with good soil. The stocks should not be cut until a year after planting and then but lightly. Full harvest may be taken after this. An ounce of seed will produce about 250 plants. Four or five pounds of seed will plant an acre.

Martha Washington

A sister of the Mary Washington, but more vigorous, on account of being bred to resist rust disease. It is very productive and is most uniform in type of any of the rust resistant varieties. Shoots are very large, of extra good quality and of rich green color tinted with purple at the tips. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 75c; lb., \$2.00, postpaid; 5 lbs., not postpaid, \$10.00.

Columbian Mammoth White

A favorite with some growers on account of the large light-colored shoots. Needs no artificial blanching. See price under asparagus heading.

Palmetto

The leading American variety. Produces shoots which are large and of fine quality. Excellent for general use. Pkt., 5c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00, postpaid.

Conover's Colossal

Oldest and best known variety. Large size, and good quality. Still used a great deal. Pkt., 5c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00, postpaid.

Early Argenteuil

Very early and of extremely vigorous habit, two qualities which make this variety less apt to be attacked by rust. The flavor of the stalk is very delicious. Pkt., 5c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00, postpaid.

Asparagus Roots

(1 Year Old)

We can furnish roots of the above varieties at 25c per doz.; and \$1.25 per 100, postpaid.

Beans

CULTURE—All classes of beans possess high nutritive value, due to their large percentage of protein, and the home garden is not complete without varieties representing each class. Always select a warm and fertile soil if available. Avoid nitrogenous manures or fertilizers near the seeds. As beans will not withstand cold weather, it is quite useless to plant before the ground is reasonably warm. There are many different kinds of beans but for garden purposes they may be divided into two classes: String and Lima. Both String and Lima beans are subdivided into pole and bush types.

Bush Beans are planted in rows 24 to 30 inches apart $1\frac{1}{2}$ to 2 inches deep; thin out to 3 or 4 inches between each bean. Good results are obtained by planting in double rows 5 to 6 inches apart. As the plants develop, hill them slightly. Cultivate the soil frequently, but never while the foliage is wet. Pick the pods before they attain full size; they are then tender and almost stringless. For continuous supply make successive sowings every ten days or two weeks.

The Dwarf Limas are only partly dwarf and should be given more space than the Green and Wax Beans. Put the seed in edgewise with the eye down, and if possible, avoid planting within two or three days of rain.

Pole or running beans are usually planted in specially prepared hills, 3 to 4 ft. apart, and supported on poles or stakes with cross pieces. A good way is to grow them in rows and support them on a continuous trellis. For a long bearing season keep all pods picked off as fast as they become large enough.

Pole Limas should not be planted until the ground is thoroughly warm. Put the seed, eye downward, in hills 4 to 5 ft. apart. Put 10 or 12 beans in each hill, $1\frac{1}{2}$ to 2 inches deep, and when plants are established thin out to 4 or 5.

Green Pod Bush Beans

Per **5** $\frac{1}{2}$ Lb., 20c; 1 Lb., 30c, postpaid.

NOT POSTPAID

1 Lb., 25c; 5 Lbs., \$1.10;
10 Lbs., \$1.90.

Giant Stringless Green Pod Valentine

Comes into bearing about 65 days after planting and continues to bear for about a month. Plants are large, spreading and exceedingly productive. Pods are nearly round, bright green, and five to six inches long. Pods are stringless and brittle in all stages and for this reason are very desirable for home use and for the market.



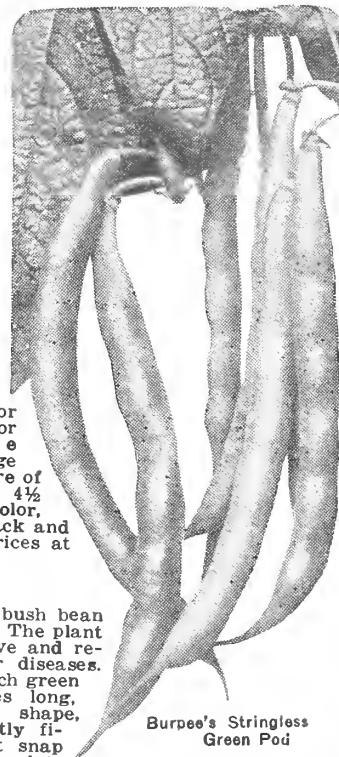
Bountiful



Davis White Wax

Burpee's Stringless Green Pod

Very popular and widely grown. Plant large-medium, very erect when young, and very hardy, heavily to moderately productive. Pods are somewhat variable in size, about 5 in. long, generally more or less scimitar curved, extremely brittle, absolutely stringless, usually contain six seeds very crowded in pod. Prices at bottom of page 3.



Burpee's Stringless Green Pod

Extra Early Red Valentine

It is very prolific and reliable and an excellent shipper; used extensively for canning and pickling and for commercial purposes. The pods are produced in large clusters on erect plants, are of medium length, about 4½ inches, bright green in color, curved with a crease in back and very crisp and tender. Prices at bottom of page 3.

Bountiful

This flat, green-podded bush bean is in great demand today. The plant is vigorous, very productive and resistant to rust and other diseases. The immense pods are of rich green color, six to seven inches long, thick, broad, uniform in shape, solid, stringless, but slightly fibrous, and make excellent snap beans. They are also very palatable when used for green shell beans, and is a most desirable sort for home and market gardener. Prices at bottom of page 3.

Full Measure Beans

Not a new variety, yet it has just been recognized as one of the most desirable beans grown. They are absolutely stringless. The texture of the pod never grows coarse, but remains tender and meaty until the bean is fully matured and ready to shell. Superior to Burpee's Stringless. Prices at bottom of page 3.

Wax Bush Beans

Improved Golden Wax

Plants are small, compact, erect, and very prolific. Pods are borne well off the ground which prevents rust and rot, are of golden yellow color, brittle, fleshy and solid with wax-like texture, average about five inches and are ready to pick in 45 days after planting. The flavor is excellent. A good shell bean for winter use. Prices at bottom of page 3.

Dwarf Black Wax

A very dwarf plant, sometimes referred to as Butter Bean. Pods are uniform in size, round, very brittle, four and a half inches long, usually containing six seeds, medium yellow in color and stringless. Chief merit is in its extreme earliness. Prices at bottom of page 3.

Round Pod Kidney Wax

Improved Golden Wax Also called Brittle Wax. This is the best yellow wax bean on the market. The pods are round and about 6 inches long and absolutely stringless. The plants make a strong growth and are very productive. Round Pod Kidney Wax is an excellent bean for the canner, the market gardener or for the home garden. It is a good shipping variety. Prices at bottom of page 3.

Pencil Pod Black Wax

Plant grows about 15 inches high, very productive, with straight pods about 6 or 7 inches long, light golden yellow color, round, meaty, and deeply creasebacked, extremely brittle, without fiber and of excellent quality. Green shell pods borne both below and above foliage. Prices at bottom of page 3.



Davis White Wax
This bean does not discolor, and is therefore excellent for canning. Pods are very uniform in size, about 6 inches long, straight, flat, light yellow, slightly depressed on outside between seeds. The dry bean is white and very desirable for winter use. Prices at bottom of page 3.

Dwarf Horticultural

A green-podded bush variety of the climbing Horticultural. Pods average five inches long and are stout and flat. Fine for baked beans or soup beans. Prices at bottom of page 3.

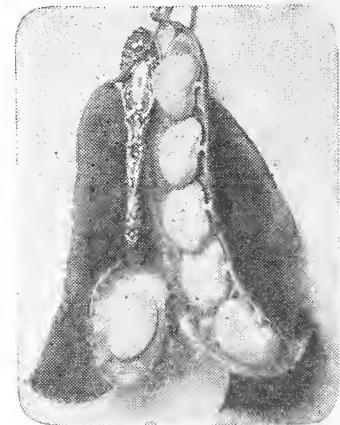
Bush Lima Beans

PER PKT. 5c $\frac{1}{2}$ LB., 20c; 1 LB., 35c,
POSTPAID.

NOT POSTPAID, 1 LB., 30c; 5 LBS., \$1.35; 10 LBS., \$2.50.

Burpee's Bush Lima

Plant large, thick stemmed, about 20 inches high, with occasional runners. Shell pods, dark green, of smooth surface moderately curved, flat, uniform in size, very large for dwarf limas, very wide, about four inches long and generally containing four seeds. They are of excellent quality. Prices above.



Henderson's Bush Lima

Small plant, slender stemmed, very erect, bushy, very early, long in bearing, heavily to moderately productive. Pods dark green, of smooth surface, straight, very uniform in size, very small, very flat, about 2½ in. long, borne in numerous large clusters close to center of plant. Especially adapted to west and middle west. Prices above.

Speckled Bush Lima

One of the hardest, and a sure cropper. Pods medium size, rather short and flat and splashed with pansy violet. Very popular in the South. Prices above.

Fordhook Bush Lima

Grows stiffly erect, and keeps its bean pods off the ground. Plants are about thirty inches high and bear an immense crop of very large pods. Pods are medium green, smooth surface, about five inches long, and are borne in clusters of five to eight. The beans are delicious and from eight to ten days earlier than other bush limas. Pkt., 5c; $\frac{1}{2}$ lb., 25c; 1 lb., 45c, postpaid. Not postpaid, 1 lb., 40c; 5 lbs., \$1.90; 10 lbs., \$3.70.



Pole Beans

PER PKT. 5c $\frac{1}{2}$ LB., 20c; 1 LB., 30c,
POSTPAID.

NOT POSTPAID, 1 LB., 25c; 5 LBS., \$1.10;
10 LBS., \$2.00.

Burger's Green Stringless

Earlier and bears longer than Kentucky Wonder. Vine of small growth, good climbing, moderately productive, snap pods uniform in size, about 7 inches long, dark green curved, oval-round through cross section, usually contain about 8 or 9 seeds, and is absolutely stringless. A very popular bean for snaps. Prices above.

Kentucky Wonder or Old Homestead

Moderately branched, good climbing plant of medium height. Pods about ten inches long, scimitar curved, round through cross section, extremely brittle, slightly stringy, and fairly free from anthracnose. Bears abundantly. Prices above.

White Creaseback

Rather bushlike in habit but climbing well after starting, very early, moderately productive. Pods are 5 in. long, fairly straight, exceedingly smooth surface, round, deeply creasebacked, and are borne in clusters of from four to twelve. Good snap beans, good shippers, and fine for baking. Prices above.

Kentucky Wonder
or
Old Homestead

Lazy Wife

The Prolific character of this bean gave it its name which is rather misleading. Pods are broad, much bulged at seeds, light green, brittle, stringless, fine quality and free from anthracnose. The beans are of rich flavor. Dry beans are white and are desirable for winter use. Prices on page 4.

Cut Short or Corn Hill

Largely used for planting among corn. Pods are short, very straight, decidedly bulged out in places, flat but become oval at the green shell stage. Prices on page 4.

White Dutch Casedknife

Popular in Middle West. Pods vary in size, 8 in. long, medium green in color, somewhat coarse surface, and of fair quality. Can be snapped or shelled. Prices on page 4.

Horticultural or Speckled Cranberry

Matures in eighty days. Pods borne in remarkable large clusters. Valued as a snap bean or for shelling. Dry seeds almost as wide as long, milky white blottedch with brownish black. Prices on page 4.

Early Golden Cluster Wax

Moderately branched vine, of large growth and good climbing habit, productive, and long bearing. Pods 7½ inches long, straight, flat, smooth surface, whitish yellow in color, very brittle, and grow in clusters from three to six. Ready for use in 70 days, and their flavor is excellent. Prices on page 4.

Pole LIMA Beans

PER PKT. 5c $\frac{1}{2}$ LB., 20c; 1 LB., 30c, POSTPAID. NOT POSTPAID, 1 LB., 25c; 5 LBS., \$1.10; 10 LBS., \$2.00.

Large White Lima or Butter Beans

Large seeded, vigorous, a good climber, and quite productive. Pods are dark green, curved, very wide about 4½ in. long, and usually containing 3 to 5 seeds. Quality of green shell beans is excellent. Dry seeds white with slight greenish tinge. Prices above.

King of the Garden Lima

Largely grown and a valuable general purpose lima. Plant much branched, late, very heavily productive, long bearing. Pods flat, wide, 6 inches long, contain four to five seeds separated in pod. Dry seeds very large, rounded at ends, and of a slight greenish tinge. Prices above.

Small Carolina or Sieva Lima

Small type of pole lima but literally loaded with well filled pods. Matures quickly, good winter bean. Pods about three inches long, dark green, straight, moderately wide, and are borne in large, numerous clusters. Prices above.

Pole Speckled Lima

Used in the South where it is one of the most prolific of pole limas. Dry beans are of medium size, milky white and blottedch. Prices above.

FLOWERING BEANS**Scarlet Runner**

Splendid for covering trellis work, or old fences. Flowers are bright scarlet. Produces fine broad flat deep green pods which are edible. This bean is both ornamental and useful. Prices above.



Swiss Chard

**Swiss Chard
OR FOLIAGE BEET**

CULTURE—Same as beet.

PRICE—Same as other Beets.

A very popular plant for greens. It belongs to the beet family but is cultivated for its foliage instead of its root. It is prepared for the table like spinach. The tender stems are frequently cooked and served like asparagus. Leaves are thick and broad and the leaf stalks large and fleshy. Nitrate of Soda is a good fertilizer for this vegetable. Prices top of right hand column on this page.



Barteldes Early Blood Turnip

which come to maturity from July to the end of Autumn, according to the time at which the sowings were made.

No garden is complete without a few beets. They are easily grown and require such a small space for growing that a very small garden can produce enough for your winter supply. They have a great many uses, either pickled, boiled or baked with butter, or used for salads. Before cooking the roots should be well washed but not peeled or scraped, or the skin bruised; for if such is the case, much of the saccharine matter escapes during the boiling.

Barteldes' Early Blood Turnip

Carefully selected strain of Turnip beet. Very early, with a round and half-flattened root, only half buried in the soil. Skin dark violet-red. Leaves broadly marbled and veined with brown-red. Very fine.

Extra Early Egyptian

Beet is small, but is exceptionally early and this entitles it to a place in every garden. The top is rounded but the base is flat; dark red in color, flesh zoned a lighter shade or a shade of pinkish white.

Detroit Dark Red

Choice strain of dark red turnip beet. It has a round, somewhat ovoid root, very smooth, and a fine deep blood-red color. The flesh is bright red, tender and good in quality. Foliage very erect, of green color with red veinings.

Crosby's Early Egyptian

Exceedingly early. Roots rounded and flattened, especially underneath. Skin very smooth, violet or slate red, flesh dark blood color, leaves brown-red, more or less mixed with green.

Early Wonder

Popular with market gardeners who grow for the early market. It is vermillion red; has small top; is globe shaped and a money maker. One of the earliest beets.

Eclipse

Like the Egyptian, it is spherical, very early, smooth and has a scant foliage, but is about twice as productive. Skin and flesh a deep bright red; the flesh being zoned pinkish white. A family favorite.

Long Blood Red

Long rooted late variety valued by many for winter use. Old standard variety for table and cattle. Yields very heavy and is the best drought resister of all. Grows entirely under ground. Flesh is of deep purplish red.

For Prices See Top of Column.

Use Kalite or Kalo Spray

Kalite is used for most chewing insects, for Red Spider on evergreens and ornamentals. Kalite Spray is used extensively on fruit and large vegetable crops.

Use Kalo Spray for non-arsenical control of Codling Moth on apples, Oriental Fruit Moth and Curculio on peaches.

BEETS

Garden Varieties.

PER PKT. 5c 1 OZ., 10c; $\frac{1}{4}$ LB., 30c; 1 LB., 90c, POSTPAID.

CULTURE—Beets are sown, where the crop is to grow, in the open ground, as soon as the spring frosts are over, 1 inch deep in drills 12 to 15 inches apart, for convenience in hoeing; and the young plants are thinned out, with a greater or less space between them, usually about 4 inches, according to the size of the variety grown. The thinnings from the crop make excellent greens. They thrive in well enriched, moist soil, with plenty of sunshine. Growth will be greatly stimulated with a slight application of Nitrate of Soda. A few waterings in dry weather will be the only additional attention required by the growing plants, the roots of which come to maturity from July to the end of Autumn, according to the time at which the sowings were made.

No garden is complete without a few beets. They are easily grown and require such a small space for growing that a very small garden can produce enough for your winter supply. They have a great many uses, either pickled, boiled or baked with butter, or used for salads. Before cooking the roots should be well washed but not peeled or scraped, or the skin bruised; for if such is the case, much of the saccharine matter escapes during the boiling.

Barteldes' Early Blood Turnip

Carefully selected strain of Turnip beet. Very early, with a round and half-flattened root, only half buried in the soil. Skin dark violet-red. Leaves broadly marbled and veined with brown-red. Very fine.

Extra Early Egyptian

Beet is small, but is exceptionally early and this entitles it to a place in every garden. The top is rounded but the base is flat; dark red in color, flesh zoned a lighter shade or a shade of pinkish white.

Detroit Dark Red

Choice strain of dark red turnip beet. It has a round, somewhat ovoid root, very smooth, and a fine deep blood-red color. The flesh is bright red, tender and good in quality. Foliage very erect, of green color with red veinings.

Crosby's Early**Egyptian**

Exceedingly early. Roots rounded and flattened, especially underneath. Skin very smooth, violet or slate red, flesh dark blood color, leaves brown-red, more or less mixed with green.

Early Wonder

Popular with market gardeners who grow for the early market. It is vermillion red; has small top; is globe shaped and a money maker. One of the earliest beets.

Eclipse

Like the Egyptian, it is spherical, very early, smooth and has a scant foliage, but is about twice as productive. Skin and flesh a deep bright red; the flesh being zoned pinkish white. A family favorite.

Long Blood Red

Long rooted late variety valued by many for winter use. Old standard variety for table and cattle. Yields very heavy and is the best drought resister of all. Grows entirely under ground. Flesh is of deep purplish red.

For Prices See Top of Column.

Use Kalite or Kalo Spray

Kalite is used for most chewing insects, for Red Spider on evergreens and ornamentals. Kalite Spray is used extensively on fruit and large vegetable crops.

Use Kalo Spray for non-arsenical control of Codling Moth on apples, Oriental Fruit Moth and Curculio on peaches.



Sugar Beets and Mangels

PER OZ., 10c; 1/4 LB., 25c;
PKT. 5c; LB., 75c; POSTPAID.
NOT POSTPAID, LB., .70c; 5 LBS., \$3.25;
10 LBS., \$6.00.

CULTURE—The soil should be plowed deeply and well pulverized. The rows should be about two and a half to three feet apart and seed sown at the rate of about four to five pounds to the acre. When the plants are about four inches high thin to about 12 to 15 inches apart in the row.

The plants that are taken out during this thinning process can be planted elsewhere and they will mature a little later than the main crop.

Mangels will stand a slight frost, but freezing will injure them and lead to rotting. At the approach of frost cut off the tops and feed these at once, then pull the roots and either store them by piling them up like cordwood in a root cellar or store them outdoors. When stored outdoors they should be piled about five or six feet high on a raised and sloping situation and covered with straw and about one inch of dirt. As it gets colder put on more dirt until a cover of about 6 inches is made. The roots will then keep all winter in good shape.

Many, many farmers are overlooking a most profitable feed for cows, hogs, and other stock. Every farmer who has any stock whatever should plant at least a small acreage of Mangels, and those farmers that feed many hogs and cattle should have a large acreage of this immensely productive crop.

Sugar Beet
They will grow on almost any kind of soil, but a rich, moist one is preferred. As they require but a short growing season it is better not to plant them too early but to wait until you can get the soil in good condition.

As the roots grow partly and with some varieties mostly out of the ground, they are very easily harvested. The yield of these beets is immense. We have reports of over 45 tons to the acre and even a medium crop will make 30 tons to the acre.

White Klein Wansleben Sugar

Contains 15 to 16 per cent sugar and yields under an average condition, 16 tons to the acre. Has a long slender root which grows 7 to 8 inches long. They can be grown as close as 5 inches apart and 2 feet between the rows. The beet is smooth and broad at top, gradually tapering toward the base. Mammoth yielder, grown for sugar and is also used as a winter feed for cows.

Golden Tankard Mangel

A yellow beet, and very profitable for stock feeding. Tops are small, with the leaf stalks and veins distinctly marked with yellow. Roots are very large, oval, but with bottom usually of larger diameter than top. Light gray above ground, deep orange below. Flesh is yellow zoned with white.

Mammoth Long Red Mangel

Roots attain an enormous size, are smooth, uniformly straight and thicker than the common varieties. Flesh is rose and white. Fine for feeding.

Giant Half Sugar Mangel

The large-size Mangel combined with the great feeding value of the Sugar Beet. Roots are gray white below the ground with white flesh, and of bronze shade above.

Borecole or Kale

Often described as loose leaf cabbage, cooked as greens, improved by frost, and may be had from outdoors in the garden when all other greens have perished.

CULTURE—Given about the same treatment as late cabbage. Sow seed 1/2 inch deep in rows 2 feet apart, and thin to 18 to 24 inches apart in the row. Extra hardy varieties may be sown in September and wintered over.

Dwarf Green

Grows 16 to 20 inches high, can be used as a vegetable or for ornamental flower beds. Sown in spring. Pkt., 5c; oz., 15c; 1/4 lb., 35c; lb., \$1.10, postpaid.

Tall Green Curled or Scotch

Stem straight, grows 3 to 5 ft. high, bears plume 16 to 20 inches in length. Very hardy, severest winters will not kill. Pkt., 5c; oz., 15c; 1/4 lb., 35c; 1 lb., \$1.10, postpaid.



Kale

Broccoli

CULTURE—Like the Cauliflower, it is a cultivated variety of wild cabbage, grown for the sake of the head. It is generally considered more hardy than Cauliflower. Saeed is sown in frames early in spring, culture the same as Cauliflower.

Italian Green Sprouting

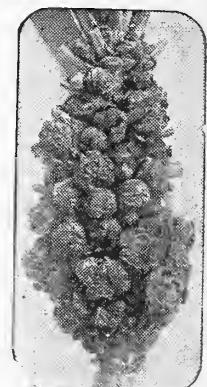
A distinct variety for home garden and shipping. Plant forms a central head of fairly compact cluster of flower buds resembling Cauliflower, except that it is green in color. Similar heads of smaller size form on side branches. Central head can be cut in about sixty days from planting and smaller heads from side branches can be had throughout the summer. A delicious and healthful vegetable. Pkt., 10c; oz., 50c; 1/4 lb., \$1.80, postpaid.

Large White Mammoth

Thick set variety, lower in growth than other kinds. Has short broad leaves which are very numerous. Head very large, and white, and of very good quality. Pkt., 5c; oz., 35c; 1/4 lb., \$1.00, postpaid.

Brussels Sprouts

Another member of the cabbage family. Cultured the same as Late Cabbage or Cauliflower. "Buttons" or small heads which form along the stalk may be grown to a larger size by pinching out the crown of the plant after the buttons have formed. Very hardy, improved by frost. May be gathered until Mid-winter. For late winter use in cold localities, take up plants which are well laden with heads and set them close together in a pit, cold frame or cellar, with soil around the roots. Pkt., 5c; oz., 20c; 1/4 lb., 75c, postpaid.



Brussels Sprouts

Chives

An unimportant member of the onion tribe, growing in thick tufts. Leaves are numerous, slender, deep green in color, and hollow like an onion. Flower stems are very little taller than the leaves, bear clusters of purplish red flowers, which are usually barren. Chives are always propagated by division of the tufts after being planted. They make a very ornamental border, and are useful for flavoring soups and salads. Roots, 25c per bunch; 3 for 65c, postpaid. Pkt., 5c; oz., 60c, postpaid.



Chicory

Chicory

CULTURE—Sown in spring one-half inch deep in rows 18 in. apart and thinned to 6 in. apart. Yields long parsnip like roots by fall when they are dug and shorn of leaves to the neck. These roots may be replanted for greens if desired.

Large Rooted or Coffee

This plant is much used in Europe for coffee. In the fall the roots may be taken up, dried by same method used for drying apples. Roasted and ground like coffee. Pkt., 5c; oz., 20c; 1/4 lb., 60c, postpaid.

Collards

Georgia Southern or Creole

Extensively used in the South, where it furnishes an abundance of food for both man and beast. Forms a large, loose, open head, or a mass of leaves on a tall stem. Freezing improves the quality. Pkt., 5c; oz., 10c; 1/4 lb., 25c, postpaid.



Collards

Corn Salad

CULTURE—The seed is sown at the end of August or in Autumn in any kind of soil, and the plant produces leaves from October until spring, without requiring any attention or protection. Corn Salad seeds sown the same year in which they are ripened do not germinate so well as those which are kept a year before being sown.

Broadleaved

The whole of this plant is used as a salad and an excellent and distinct salad may be formed by mixing this with the outer stalks of celery. Pkt., 5c; oz., 20c; 1/4 lb., 60c, postpaid.

Garden Cress

CULTURE—Very easy to grow, may be sown at any time, in any soil with certainty of having leaves to cut in a few weeks, only during very hot weather.

It is best to sow in a moist and shaded position, in order to obtain more tender and more abundant leaves. Leaves are much used as a condiment and for garnishing roast meat. Also used for side dishes and salads.

Pkt., 5c; oz., 15c; 1/4 lb., 30c; 1 lb., 90c, postpaid.

Water Cress

Hardy, perennial aquatic plant. Thrives best in shallow running water which should be pure and clean. It may also be grown in moist or wet, shady places, but springs and brooks are preferable. Used for garnishing, in salads, and sometimes also boiled and minced like Spinach. Prepare a small shallow trench for receiving the seed, then mix the seed with some dry earth or sand and sow broadcast in the trench, and cover slightly. Soil must be cautiously watered and kept moist until the plants show their first leaves when the water is let in, but only so much as will barely cover the plants. When a few inches high, the plants are pulled up in tufts and transplanted to other trenches into which water is admitted and kept steadily on a level with the tops of the plants until the ditch is completely filled. Pkt., 5c; oz., 50c; 1/4 lb., \$1.75, postpaid.

CABBAGE

One of the few vegetables that home gardeners can enjoy the year round. There are early cabbages, late cabbages, round heads, flat heads, and pointed heads; green and red cabbages, smooth-leaved and curled-leaved. Our cabbage seed is very carefully selected and true to type. One ounce of seed will produce about 2,000 plants. About 16,000 early or 8,000 late cabbage plants are set to the acre.

CULTURE—The different kinds of cabbages vary so much in constitution and treatment that it is impossible to lay down precise rules for the cultivation of even each entire class or section. A cool moist climate has been proven the most suitable of all for the culture of cabbages. Heat and drought are very injurious to them, while they grow well in moist, foggy weather, even when somewhat cold. They like a loamy, rather stiff soil, rich in manure and decayed organic matter. The ground should be dug rather deeply and plentifully fertilized. Cover the seed 1/4 to 1/2 in. deep. Early varieties may be set as close as 16 or 18 inches, the rows being 30 to 36 inches apart. For late varieties leave 18 to 24 inches between plants. Plants started in cold frames are set out early in April and seeds planted at the same time will give plants for succession crop. Plants for the late crop are started in May or June. These are then transplanted to where the crop is to grow. Plants should be watered from time to time during the summer, and should be protected from insects. Plant Lice or *Aphis*, Cutworms, and Green Cabbage worms are the insects which attack cabbage. Cutworms can be controlled by means of paper collars and poisoned bait. Plant lice by Black Leaf 40, Aphicide and Derrisol, Cabbage worms by Slug Shot, Arsenate of Lead, and Paris Green. Poisons can be used when plants are young, but when they are two-thirds grown, it is safer to use a non-poisonous remedy.

EARLIEST VARIETIES

Extra Early Copenhagen Market

70 Days

By careful and persistent selection an earlier and better strain of Copenhagen Market cabbage has been developed. Truck gardeners have reported that their entire crop from this seed has been marketed before other Copenhagen heads were ready to cut. Uniformly early with only a few outside leaves. Pkt., 10c; 1/2 oz., 30c; oz., 50c; 1/4 lb., \$1.50; 1 lb., \$5.00, postpaid. Not postpaid, lb., \$4.90; 5 lbs., \$24.00.

Copenhagen Market 80 DAYS

Very early, round-headed, exceptionally large, solid and of very fine quality. Outer leaves do not become detached readily with rough handling, which perhaps accounts for its popularity with the market gardener. Leaves are medium light green, thick and smooth. Vigorous grower, and a good keeper. Pkt., 5c; 1/2 oz., 20c; oz., 30c; 1/4 lb., \$1.00; 1 lb., \$3.75, postpaid. Not postpaid, lb., \$3.65; 5 lbs., \$17.00.



True Jersey Wakefield 75 Days

"It Has No Superior"

Heads evenly from latter part of June to first of July. Leaves yellow tint, stiff texture. Outer leaves pale green, rounded in shape, faintly undulated at edges, and hollowed like a spoon. Head, very pale green; short; blunt and conical; sometimes tinged with red. Very early, productive, and a good keeper. Pkt., 5c; oz., 25c; 1/4 lb., 75c; 1 lb., \$2.25, postpaid. Not postpaid, lb., \$2.10; 5 lbs., \$9.50.

Golden Acre Cabbage 68 DAYS

A new variety, seven days ahead of the Jersey Wakefield. Heads are round, firm, and of exceptionally fine texture, heavy mid-ribs being entirely absent. Average weight is about 4 pounds to the head and have only a few outer leaves. Pkt., 10c; 1/2 oz., 30c; oz., 50c; 1/4 lb., \$1.75; 1 lb., \$5.50, postpaid.

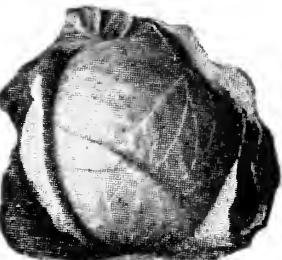
Early Winningstadt 80 DAYS

Winningstadt heads are much more pointed and usually smaller than the round and flat headed varieties, but they are solid, tender and of fine quality. Leaves are bright, glossy green, and those which form the head are wrapped around each other in a strikingly close and compact manner, which results in a very firm head. Succeeds better for summer sowing than for late sowing. Pkt., 5c; oz., 25c; 1/4 lb., 75c; 1 lb., \$2.50, postpaid. Not postpaid, Lb., \$2.40; 5 lbs., \$9.50.

Stein's Early Dwarf Flat Dutch

90 Days

A short-stemmed variety, well suited for market garden culture, and being a good shipper is used very extensively by the produce growers in Texas. Outer leaves small, rounded, and of deep green color. A well bred cabbage, and a certain header. Heads are somewhat smaller than the Early Flat Dutch. Pkt., 5c; oz., 25c; 1/4 lb., 75c; 1 lb., \$2.25, postpaid. Not postpaid, Lb., \$2.15; 5 lbs., \$10.00.



Stein's Early Dwarf



Chinese Cabbage

Pe Tsai—Chinese or Celery Cabbage

About 65 Days

When matured Pe Tsai resembles Cos Lettuce more than cabbage. The young leaves are crimped and look like a smooth-leaved mustard, only have broader and heavier mid-ribs. The inner leaves become a creamy white with very white mid-ribs. Used in salads like celery or lettuce, or may be cooked like asparagus. For spring planting, it should be planted very early, as it runs to seed very quickly in hot weather.

Will not assume the rather celery-like form unless the plants are banked up as they grow or the leaves tied up over the center to hold it in upright position and at the same time blanching the inner leaves and leaf stems.

Failure to bank or tie up in this manner has frequently led to disappointment. Pkt., 10c; oz., 35c; 1/4 lb., \$1.00, postpaid.

SECOND EARLY OR ROUND HEAD VARIETIES



Glory

The Glory

90 Days

Recently introduced from Holland. Combines earliness with good size, which are desirable qualities for market purposes. Leaves are large, spreading, curved and frilled. Heads are globular, or very nearly round, very solid and very large size. Pkt., 5c; oz., 35c; 1/4 lb., \$1.00; 1 lb., \$3.75, postpaid. Not postpaid, 1 lb., \$3.60; 5 lbs., \$14.00.

All Seasons 85 Days

If planted in spring; about 80 days when planted in July. Leaves and head are of fine clear green color. Head thick and broad, very much depressed and quite flattened on the top. Outer leaves grow closely against the under-part and sides of the head. Good for both winter and summer use. Pkt., 5c; oz., 25c; 1/4 lb., 85c; lb., \$3.00, postpaid. Not postpaid, Lb., \$2.90; 5 lbs., \$12.75.

Early Dwarf Flat Dutch 100 Days

Popular because of its heat-resisting qualities. Very good for medium early, main crop or later use. Short stemmed variety. Heads are round, solid and sometimes brown on top. Outer leaves are rather small, and somewhat curled. Pkt., 5c; oz., 25c; 1/4 lb., 75c; lb., \$2.25, postpaid. Not postpaid, Lb., \$2.15; 5 lbs., \$10.00.

MAIN CROP VARIETIES

Late Premium Flat Dutch 115 Days

A tall stemmed variety, rather quicker to head than the Late Flat Dutch cabbage, the leaves are large and glaucous; head is big, flattened, full and solid. Pkt., 5c; oz., 25c; 1/4 lb., 75c; lb., \$2.25, postpaid. Not postpaid, Lb., \$2.15; 5 lbs., \$10.00.

Late Large Drumhead 120 Days

An old standard variety which matures late in the season. Head is large, shorter in the stem than the Late Premium Flat Dutch, with many leaves ample in size, spread out, dark green, mostly undulated and waving at the edges; the head is compact, rounded and is a good keeper. Very good for pickling. Pkt., 5c; oz., 25c; 1/4 lb., 75c; lb., \$2.25, postpaid. Not postpaid, Lb., \$2.15; 5 lbs., \$10.00.

Surehead

110 Days

Similar to Late Flat Dutch. Rather long in stem, the head of average size, compact and regular; outer leaves not numerous, glaucous and waving. Grown by more than 100,000 planters. This cabbage keeps well, is a splendid shipper, and is also very satisfactory for the home garden. Pkt., 5c; oz., 25c; 1/4 lb., 75c; lb., \$2.25, postpaid. Not postpaid, Lb., \$2.15; 5 lbs., \$10.00.



Surehead

Danish Ball Head

A sure header. The heads are round, hard, and extremely heavy, though not extra large. Can be grown in close quarters, on account of being so compact. It will keep until March or April with almost no waste. Leaves are fine-grained and very tender. Pkt., 5c; oz., 25c; 1/4 lb., \$1.00; lb., \$3.75, postpaid. Not postpaid, Lb., \$3.60; 5 lbs., \$14.00.

St. Louis Late Market

Very popular with the Kraut makers. The plant is very vigorous and hardy, the leaves are large and broad, the stem of moderate length, the head large, white, solid and seldom bursts. Pkt., 5c; oz., 25c; 1/4 lb., 75c; lb., \$2.50, postpaid. Not postpaid, Lb., \$2.40; 5 lbs., \$11.50.

**USE EVERGREEN ON CABBAGE WORMS
IT GETS THEM**

See Page 43

RED CABBAGE

Danish Stonehead

100 Days

Produces fine round heads which are very solid and of dark purple color. Coloring extends to center of head, and a cross section shows but very little white. Heads measure about 8 inches in diameter, and are very uniform. This cabbage is the best keeper of the Red Cabbages. Pkt., 5c; 1/2 oz., 20c; oz., 30c; 1/4 lb., \$1.10; lb., \$4.00, postpaid. Not postpaid, Lb., \$3.90; 5 lbs., \$19.25.



Danish Stonehead

Mammoth Red Rock 120 Days

Stem rather long; outer leaves very large, broadly undulated at the edges, violet-red, sometimes slightly mixed with green, and covered abundantly with bloom which gives them a blue tinge. Head rather large, rounded in shape, slightly depressed, not so deeply colored on the outside, but very deeply colored at the heart. Very productive. Pkt., 5c; oz., 30c; 1/4 lb., \$1.10; lb., \$4.00, postpaid. Not postpaid, Lb., \$3.90; 5 lbs., \$18.00.

SAVOY CABBAGE

Drumhead Savoy

110 Days



Drumhead Savoy

Stem 5 to 6 inches high, stout, bearing a broad thick, compact head, which is flat on the top, sometimes tinged with wine-red, and almost perfectly smooth, being only partially crimped at the edges of the leaves. Outer leaves are numerous, broad, stiff, well spread out, and dark green in color. Bears early frosts very well. Market gardeners find this variety profitable, and for family use it cannot be equalled. Pkt., 5c; oz., 25c; 1/4 lb., 80c; lb., \$3.00, postpaid. Not postpaid, Lb., \$2.90; 5 lbs., \$13.25.

Table CARROTS in greatest demand

PER OZ., 10c; 1/4 LB., 35c;
Pkt. 5c OZ., 10c; 1/4 LB., \$1.10, POSTPAID.

NOT POSTPAID, LB., \$1.00; 5 LBS., \$4.50.

CULTURE—Hardy and easily grown and therefore one of the most satisfactory vegetables for the home garden. Young carrots when boiled and served with cream sauce are delicious. Soups and stews are not complete without carrots and they are also served in many other ways.

Any garden soil will grow carrots. For early crops sow as early in the spring as possible and in rows eighteen inches to two feet apart. Cover not more than 1/2 inch deep. When the plants are about three or four inches high thin out to two inches apart for the small early varieties and four inches apart for the late ones. Give them plenty of room. Keep them thoroughly hoed.

A packet will plant about 20 feet; an ounce 150 feet; and three pounds, an acre. The late crops should be dug up in the autumn and stored like Turnips and other root crops.

CHANTENAY



Chantenay or Model

A Guerande of considerably longer size. Inner part of root a little lighter than the outer. It is delicate in flavor, juicy and sweet. Largely planted as a medium early variety.

Danvers Half Long

Fine for table use and best of all for the stock breeder, since it is a wonderful producer. It is a slender half-long root, very well colored, and has a blunt end. Leaves are short, finely cut and somewhat bronze.



Improved Long Orange

For stock feeding and table use. Fed to milch cows and gives to the butter a fine flavor and a beautiful golden color. Root is about six times as long as broad, pale orange on the underground portion, and quite green above ground, or for about one-fourth of its entire length. It is a good keeper.

Oxheart or Guerande

One of the best carrots for the table. It is remarkable for its great size and quickness of growth. Often its length does not much exceed its thickness, which measures sometimes $3\frac{1}{4}$ inches in diameter. The flesh is very tender and delicate, and a beautiful orange-red, paler at the center. Foliage is light and rather scant. It requires a light, substantial, well fertilized soil, and moisture.

Carrots for Stock Feeding

PER 5C OZ., 10c; $\frac{1}{4}$ LB., 30c; LB., 90c, POSTPAID.
Not Postpaid, Lb., 80c; 5 Lbs., \$3.75.

Large White Belgian

Grows one-third out of the ground. Roots pure white, green above the ground and has a shell top. It will grow to a very large size on rich soil and is very easily gathered. Flesh rather coarse and used exclusively for stock feeding purposes.

Large Yellow Belgian

Practically the same as above only the flesh is yellow. This is also a very good keeper.



Oxheart

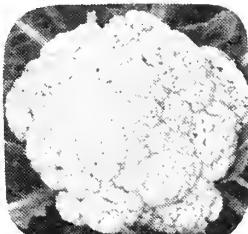
CELERIAC OR TURNIP ROOTED CELERY

CULTURE—Sow the latter part of April, covering seeds one-quarter of an inch. Thin out to about one inch apart in the row and transplant into rows one and one-half feet apart and six inches apart in the row.

Uses—Served as a salad with French Dressing, or served hot with cream sauce.

Roots are turnip-shaped, very smooth, tender and marrow-like. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 80c; lb., \$3.00, postpaid.

Cauliflower



CULTURE—Clean and thorough cultivation is absolutely essential to success with this very exacting vegetable. On heavy clay soils frequent cultivation, that creates a dust mulch, will often make up for an insufficient water supply. Hoe right close to the plants, giving shallow cultivation as they expand. The "heads" to be kept white and tender, must be protected from the sun soon after they begin to form by tying the leaves together over them. The "heads" remain in the best of condition for only a few days and should be examined frequently when about ready to prevent "going by." The seed is sown in April for an early crop and in July for a fall crop. One ounce of seed will produce about 1500 plants; 15,000 plants will cover one acre.

Early Danish Snowball

Very early, somewhat under middle height with a rather short stem. Produces a very large compact head which is snowy white, which forms quickly and will not discolor easily. The outer leaves are very erect, while the inner leaves lap over the head, protecting it from the sun. Finest on the market, and is extremely popular with market gardeners. Pkt., 15c; $\frac{1}{4}$ oz., 85c; oz., \$3.00; $\frac{1}{4}$ lb., \$10.00; lb., \$35.00, postpaid.

Barteldes Mountain Snowball

Because of its earliness, beautiful appearance, vigorous growth and all around high quality, this variety is considered one of the very best for outdoor culture. It will withstand weather conditions that are utterly ruinous to the Erfurt strains. Some of the most critical growers are very enthusiastic about this strain. Pkt., 25c; $\frac{1}{4}$ oz., 60c; oz., \$2.25; $\frac{1}{4}$ lb., \$8.00; lb., \$28.00, postpaid.

Earliest Dwarf Danish Perfection

An extra early strain of the Danish Snowball, and is rapidly becoming very popular with the larger cauliflower growers. Heads are solid, pure white, but somewhat smaller than the Danish Snowball, and about five days earlier. Pkt., 15c; $\frac{1}{4}$ oz., 70c; 1 oz., \$2.00; $\frac{1}{4}$ lb., \$7.50; lb., \$27.00, postpaid.

Extra Early Dwarf Erfurt, Selected

A sure header and a good forcer. Plants are very dwarf with solid pure white heads of excellent quality. When planted in rich soil early in the spring heads 8 to 10 inches in diameter can be marketed early in July. Leaves are oblong, entire, rounded, very slightly undulated, and are of a peculiar light gray-green color. Pkt., 25c; $\frac{1}{4}$ oz., 65c; oz., \$1.75; $\frac{1}{4}$ lb., \$6.50; lb., \$22.50, postpaid.

Barteldes Danish Dry Weather

A new strain developed in Denmark to stand hot, dry weather. We have tried it out and find it an excellent variety for the West and Middle West. It matures later than the Snowball, producing large, solid, pure white heads of excellent quality. Our seed comes direct from Denmark and you can depend upon it. Pkt., 15c; $\frac{1}{4}$ oz., 75c; oz., \$2.00; $\frac{1}{4}$ lb., \$7.50; lb., \$25.00, postpaid.

Early Paris Cauliflower

A variety with a slender and rather long stem. Leaves narrow, nearly straight, almost flat at the ends and edges; head of medium size, forming soon but not continuing firm very long. Especially suitable for sowing in summer. If sown in April or May, the heads form in August or September. Pkt., 5c; $\frac{1}{4}$ oz., 35c; oz., \$1.25; $\frac{1}{4}$ lb., \$4.00, postpaid.

CELERY

CULTURE—For this climate sow celery in May or early June, in drills 4 to 6 inches apart and cover about $\frac{1}{4}$ inch deep. When ready to transplant thin out to 2 or 3 inches apart in the row, and leave growing until July or August when they should be planted in rows 18 to 20 inches apart and set 6 inches in the row. In planting press the ground around the plants but do not let any earth get into the heart. One ounce of seed produces about 2,500 plants and it takes about 42,000 plants to set an acre if the rows are 2 feet apart.



Giant Pascal

A very vigorous and an extremely productive variety, with short, broad, thick tender and fleshy green ribs, which blanch very readily when earthed up. The leaves are upright, vigorous, short, and dark green. It keeps very well under cover during winter. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., 80c; lb., \$2.50, postpaid.

Golden Self-Blanching

A very fine variety of French Origin. Half dwarf, compact with well-developed leaves of light green with golden tints. The ribs are thick, broad, fleshy, and naturally ivory-white. It needs very little blanching to fit it for the table.

American Seed—Pkt., 5c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00, postpaid.

French Seed—Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 65c; $\frac{1}{4}$ lb., \$2.25; lb., \$8.00, postpaid.

New Tall Self-Blanching Pkt., 10c; oz., 85c; $\frac{1}{4}$ lb., \$3.25; lb., \$12.00, postpaid.

Golden Plume

A large early celery of superfine quality and appearance. Heavy stalks with full, solid heart of golden yellow, easy to blanch, a good keeper and always of the crisp, brittle quality so much desired. A good blight resister. Pkt., 20c; $\frac{1}{4}$ oz., \$1.50; $\frac{1}{2}$ oz., \$2.75; oz., \$5.00, postpaid.

White Plume

This variety is characterized by the silver-white color with which its leaves are partly tinged at first, and which later on extends to all the central part of the plant and sometimes to the whole of the foliage. The ribs are white, but, like those of the other varieties, need to be blanched to become quite tender. It is about the same size as the Golden Self-Blanching, but broader in habit. It suffers easily from the cold and should be grown for autumn rather than for winter use. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 50c; lb., \$3.00, postpaid.



SWEET CORN

CULTURE—The seed should be planted about 2 inches deep, in drills 3 feet apart and thinned to a single stalk every 10 to 14 inches in the row. The cultivation should be frequent and thorough, all weeds should be kept down, and all suckers removed from around the base of plant.

On account of fertilization it is best not to plant a single variety in a long row but to plant each variety in blocks of several short rows. If you want some corn very early you can get it by planting a few hills in paper pots in the house, or by using Hotkaps.

Sweet Corn is at its best when a slight pressure of the finger nail will cause the kernel to burst and a milky juice appears.

One pound will plant 275 hills, and 14 pounds will plant about an acre in drills.

Have you ever gone out into the garden, picked some Sweet Corn and then prepared it immediately for the table? Unless you have eaten Sweet Corn handled in this way you don't know what real Sweet Corn is. After Sweet Corn is picked it loses its sugar content very rapidly and for this reason the Sweet Corn which has been picked a day or two ago is nothing like that which is freshly picked.

Even a medium sized garden has room for a row or two of Sweet Corn. If you have room for only a few rows be sure that you try Golden Bantam for early and Country Gentleman for late. These two are wonderfully delicious.

Golden Giant

A cross of Golden Bantam and Howling Mob. This is the largest of the yellow sugar varieties, the ears measuring up to 8 inches long. The cob is of small diameter and contains twelve to eighteen rows of long, thick grains which cover the entire surface and are deep orange in color, and are extremely juicy and sweet. Pkt., 5c; 1/2 lb., 20c; lb., 10c, postpaid. Not postpaid, 1 lb., 25c; 5 lbs., \$1.15; 10 lbs., \$2.20.

Golden Bantam

Rather early variety with golden yellow grain, very tender and sweet, with rich flavor. It produces strong sturdy stalks, which grow about four feet high. The ears are eight-rowed and six to seven inches long. This variety matures early and is comparatively free from worms. Don't fail to have this splendid variety in your garden next year. Pkt., 5c; 1/2 lb., 20c; lb., 30c, postpaid. Not postpaid, 1 lb., 25c; 5 lbs., \$1.10; 10 lbs., \$2.00.

Extra Early Adams

This is not a true sweet corn, but on account of its hardness and its round, hard grains it can be planted much earlier than the wrinkled sort of sugar corn. Ears are about eight inches long and 12 or 14-rowed. Extremely hardy and can be grown closer together than most sorts. Pkt., 5c; 1/2 lb., 15c; lb., 25c, postpaid. Not postpaid, 1 lb., 25c; 5 lbs., \$1.10; 10 lbs., \$1.80.

Howling Mob

A few years ago a gardener developed a new variety of Sweet Corn and after his customers had tried it just once they clamored for it so loudly that he called it the "Howling Mob." This corn is of good size, but early and at the same time has the excellent flavor of the later varieties. The stalks are strong, vigorous, about five feet in height and bear two ears. The ears are from seven to nine inches in length, of good shape, and well covered with a heavy husk which protects the ear from worms. Pkt., 5c; 1/2 lb., 20c; lb., 30c, postpaid. Not postpaid, 1 lb., 25c; 5 lbs., \$1.10; 10 lbs., \$2.00.

Early Minnesota

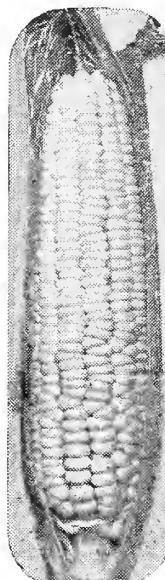
A favorite early variety, which matures in about 70 days. Stalks are about six feet high, bears 1 to 2 ears, about 8 inches long, which have 8 to 10 rows of large white grains. Pkt., 5c; 1/2 lb., 20c; lb., 30c, postpaid. Not postpaid, 1 lb., 25c; 5 lbs., \$1.10; 10 lbs., \$2.00.

Early Evergreen

Similar to Stowell's Evergreen only about ten days earlier. The ears are quite large, about 10 inches long, 12 to 16-rowed, and their flavor is identical to the famous Stowell's. Pkt., 5c; 1/2 lb., 20c; lb., 30c, postpaid. Not postpaid, 1 lb., 25c; 5 lbs., \$1.10; 10 lbs., \$2.00.

Stowell's Evergreen

This is the standard main-crop variety, much used for the home garden, market and canning. The ears are about seven to eight inches long, 14 to 20-rowed, with very white grain. Stalks grow about seven feet high. It is exceptionally tender and sugary and remains for a long time in an edible condition. Pkt., 5c; 1/2 lb., 20c; lb., 30c, postpaid. Not postpaid, 1 lb., 25c; 5 lbs., \$1.10; 10 lbs., \$2.00.



Golden Bantam

Pop Corn

CULTURE—Plant after danger of frost is over in hills three to four feet apart each way, leaving 3 or 4 stalks in a hill. Sow 1 lb. to 200 ft. of row or 4 pounds to the acre. Matures in about 130 days.

Plant at least a few rows for the children. They, and the grown folks also, will enjoy pop corn in the long winter evenings.

T. N. T.

Every kernel makes a mouthful of the most delicious popcorn you ever ate.

The popped kernels have a rich buttery color and are so tender they almost melt in your mouth.

Each can fills a big pan, and it's good for every member of the family from Grandpa and Grandma down to the tiniest tot, because it is Tender, Nutritious and Tasty.

Try T. N. T. and you will never again be satisfied with ordinary popcorn. Look for the Firecracker package. Pkt., 5c; Lb., 25c. Postpaid.



Japanese Hullless or Baby Rice

Small ears and small grain which pop to a fair size. The popped corn is deliciously tender and this corn always brings a premium on the market. Pkt., 5c; lb., 15c. Not postpaid.

Queen's Golden

Produces ears in great abundance on stalks nearly six feet high. It pops perfectly white. A single kernel will expand to nearly an inch in diameter. Pkt., 5c; lb., 15c. Not postpaid. Postage extra. Write for prices for larger quantities.



CULTURE—A light warm soil is preferable but they will grow in almost any soil if there is good drainage. When all danger of frost is past sow the seed about 1/2 in. deep in hills four feet apart each way. Earlier crops may be had by starting the plants in a hotbed and transplanting about three or four of the young plants to a hill or by using Hotkaps. Keep the soil well fertilized and well cultivated between the plants until the vines cover it. Although they are of a creeping or spreading habit of growth, they are easily confined to small space by pinching out the center shoot of vines. A dozen hills need not take up more than 40 square feet of space. Keeping them picked before they reach full size will cause the plants to bear longer. Cucumbers are very easily grown. They require little or no care after the seedlings have outgrown the danger of being eaten by the little striped beetles which seem to prefer young seedlings to all other food.

Prices of All Varieties Except Those Specially Priced.

PER 5 OZ., 15c; 1/4 LB., 40c; LB., \$1.15, POSTPAID.
PKT. 5C NOT POSTPAID, LB., \$1.00; 5 LBS., \$4.80.

Extra Long White Spine

Selection of the White Spine, with long, green, white spined fruit, rather like the Long Green Chinese. Very uniform in size and exceedingly early. Prices above.

Davis Perfect

Very good for forcing and out-of-doors. It is a well bred selection of the White Spine type, being slim and symmetrical in shape and from 9 to 12 inches long and of a dark green color changing to white without a streak of yellow only when nearly ripe. Very crisp and delicate in flavor. Pkt., 5c; oz., 15c; 1/4 lb., 55c; lb., \$1.50, postpaid. Not postpaid, Lb., \$1.40; 5 lbs., \$6.50.

Improved Long Green

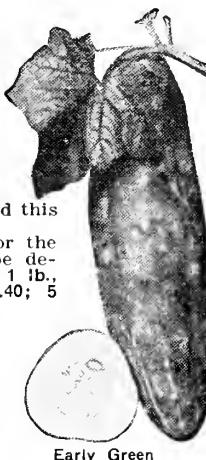
The most popular for general use. The flesh is thick, firm and crisp, and on this account is highly valued for use in salads before it is ripe, generally when only half or three-quarters grown. The fruit is slender and narrowed and pointed at both ends, and remains dark green in color until ripe, when it is a brown-yellow. When matured the fruit is 9 to 12 inches long. Pkt., 5c; oz., 15c; 1/4 lb., 55c; lb., \$1.50, postpaid. Not postpaid, Lb., \$1.40; 5 lbs., \$6.50.

The Barteldes Cucumber

In the Barteldes Cucumber we offer the ideal cucumber for the shipper and the home gardener. The cucumbers are from 8 to 12 inches long, of a very dark green color which does not fade in shipping. This is of greatest importance to the growers and shippers who want their cucumbers to be attractive when they reach the market.

The flesh of the Barteldes Cucumber is firm, white, thick and with few seeds. This splendid variety is in high favor with the large producers and shippers and this is the best proof of its merit.

Try the Barteldes Cucumber either for the home garden or for shipping. You'll be delighted. Pkt., 10c; oz., 25c; 1/4 lb., 75c; 1 lb., \$2.50, postpaid. Not postpaid, Lb., \$2.40; 5 lbs., \$11.25.



Early Green

Early Green Cluster

A very popular early cucumber producing its fruit in small clusters near the root of the plant. Average length of fruit about five inches, skin prickly, flesh white, seedy, tender, and well flavored.

Early White Spine

Very hardy, vigorous, and also very productive, each plant carrying eight or ten fruit if they are allowed to ripen and many more if gathered young. When young they are green, short and stout; and as they grow they become paler and marked with four or five white longitudinal lines. This variety is particularly recommended for market-garden culture.

Early Fortune

Largely grown by market gardeners in both north and south. Vines make a strong growth, producing abundant crops of fruit, slightly pointed, with a very dark green skin, and retains its color much longer than most other sorts. It is fine grained with white flesh, and a very small seed cavity.

For all varieties not priced, see page 10.

Everbearing

This variety is of small size; very early, enormously productive, and valuable as a green pickle. Its peculiar merit however, is that the vines continue to flower and produce fruit until killed by frost whether the cucumbers are picked off or not.

Arlington White Spine

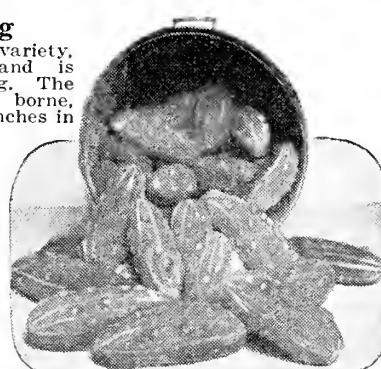
A sub-variety of the long white spine, the fruit being much shorter, darker green and is more pointed at the ends. This is adapted as well to forcing as to outside culture.

Chicago or Westerfield Pickling

Well known and very popular. The fruits set very early and if kept pulled will continue to produce fruit until frost. Excellent for pickling, but is satisfactory alike to grower and pickle maker.

Boston Pickling

A smooth-fruited variety, short, bright-green and is much used for pickling. The fruit is abundantly borne, averages four to five inches in length and is of excellent quality.



Early White Spine

Japanese Climbing

While all cucumbers are running vines, this variety is much more so than others. It climbs quickly on poles or trellises and is entirely distinct. The quality is splendid and well adapted for pickling and salads. The great advantage of having a cucumber trained on a pole or fence is evident. Pkt., 10c; oz., 15c; 1/4 lb., 50c; lb., \$1.50, postpaid. Not postpaid, Lb., \$1.40; 5 lbs., \$6.75.

Prickly, or West Indian Gherkin

A creeping and very branching plant. Stem slender, covered with rough hairs. Fruit is oval, green, with white longitudinal streaks, turning pale yellow when ripe, covered all over with spines. When ripe is about 2 inches long and over 1 inch in diameter. Pkt., 10c; oz., 15c; 1/4 lb., 50c; lb., \$1.75, postpaid. Not postpaid, Lb., \$1.65; 5 lbs., \$8.00.

Long China Cucumber

A remarkable new long green Cucumber from China. When mature about 20 inches long and 2 to 3 inches in diameter. Some are straight and others curved. Vines are vigorous and cucumbers are of excellent quality. Flesh solid, crisp, and of good flavor. Matures fairly early. Pkt., 10c; oz., 35c.

EGGPLANT

PER PKT., **10c** 1/2 OZ., 25c; OZ., 50c; 1/4 LB., \$1.60, POSTPAID.

CULTURE—Sow in hotbeds very early in the spring; thin them out, as soon as big enough to be handled, to 3 or 4 inches each way and transplant to two or three feet apart in very rich, warm ground. Do not plant them outside until the nights are real warm, as the least frost will, if it does not kill them, check the growth. Hoe often and hill up gradually, until they blossom. One ounce will make 1,500 plants.

Every garden should have a few Egg Plants. These are easily grown and bear a good crop with little attention. Egg Plants, sliced and fried are delicious and would be much more popular if better known.



Black Beauty

Black Beauty

The earliest large-fruited variety. The fruits are set freely and develop quickly, so the entire crop can be harvested before frost. They are large, thick, and of a rich lustrous purplish-black. The calyx is entirely free from spines.

New York Improved Large Purple Spineless

Stem stout, not very tall, usually branching, and of a gray-green, slightly or not at all tinged with purple. Fruit is very large, of a short pear-shape and slightly flattened at both ends. The flesh almost entirely fills the interior of the fruit, leaving but little space for seeds. This is a favorite for home and market garden.

Early Long Purple

A sub-variety of the Long Purple, only not quite so large. Fruit is oblong-oval, club-shaped, thickest at the end farthest from the stalk, very smooth and almost black-purple in color. An early variety, which is both hardy and productive.

Endive

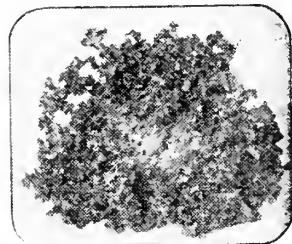
PER PKT., **5c** OZ., 15c; 1/4 LB., 40c;
Lb., \$1.20, Postpaid.

Not Postpaid, Lb., \$1.10;
5 LBS., \$5.25.

CULTURE—Same as Lettuce.

A plant of rapid growth, highly esteemed for table use and is grown all the year round. The leaves are eaten boiled or in salad. The distinct flavor of many varieties should make this a welcome table vegetable. Before being gathered the plants are usually blanched.

Green Curled.
Broad-Leaved Batavia.



Kohl Rabi

PER PKT., **5c** OZ., 15c; 1/4 LB., 50c; LB., \$1.75, POSTPAID.
NOT POSTPAID, Lb., \$1.65; 5 LBS., \$8.00.

CULTURE—Sow in the spring in row three to eight inches and afterwards thin out to 8 to 10 inches in a row. One ounce will produce 2,000 plants.

The useful part of this plant is its swollen fleshy and pulpy stem, which in some varieties does not exceed that of an average-sized orange, while in others it nearly equals that of a man's head. When used for the table it should be cut when quite small as it is then very tender and delicate, having the combined flavors of the Cabbage and Turnip. If allowed to reach its full size it becomes tough and stringy.

Early White Vienna

Very delicately formed, early variety, having only a few small leaves, which are seldom more than 8 or 10 inches in length, with stalks about the thickness of a goose quill. The ball forms quickly in this variety and is ready to be eaten about two months and a half from time of sowing.

Look for the new "BARTELDES EARLY GRANO" Onion
in our 1933 catalog.

Garlic

The Garlic is the most pungent of all the onion family. It is much used in the south of Europe. The root, or bulb, is composed of many small bulbs called "cloves," which are planted in the spring 6 to 8 inches apart, and in August the bulbs are ready to gather. Write for prices on large lots. **Lb., 40c, postpaid.**

Horseradish

Horseradish produces no seed but is grown from pieces of the root. Small roots, 25c per doz.; \$1.00 per 100, postpaid. If wanted in quantity, ask for special prices.

CULTURE—Mark off rows 2½ feet apart, in rich, moist, well-prepared ground, and set the pieces of roots 18 inches apart in rows, vertically, the small end down. Cultivate thoroughly until the tops cover the ground, when their shade will keep down the weeds.

Mushrooms

Mushrooms can be grown wherever there is a cellar or a closed shed, in which an even temperature of from fifty to sixty degrees can be maintained.

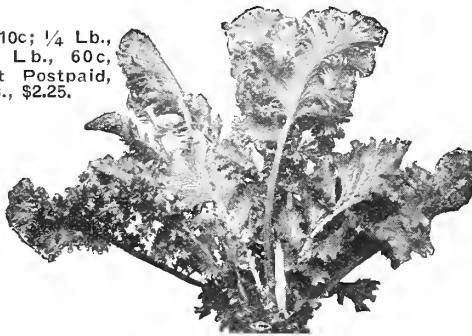
Pure Culture Spawn

1 brick	\$0.35
2 bricks .....	.65
4 bricks	1.20

The above prices are postpaid.

Mustard

Per **5c** Oz., 10c; ¼ Lb., 25c; ½ Lb., 60c, Postpaid. Not Postpaid, Lb., 50c; 5 Lbs., \$2.25.



CULTURE—Sow in rows about a foot apart and thin to 6 inches apart in the row.

Southern Giant Curled

Leaves are twice the size of the ordinary White Mustard and the flavor is sweet. Highly esteemed for salads, particularly in the South.

Ostrich Plume

Leaves are long, ruffled and curled like an ostrich plume, and for this reason the plant is very ornamental. It is especially good as a salad and is equal to spinach for greens.

Chinese

Very hardy. A large plant, leaves are often 14 to 16 inches long, with the edges often turned underneath. The leaves are eaten like spinach. They do not lose much substance in cooking and have a very agreeable flavor.

Black or Brown

Grown in kitchen gardens for the sake of its young leaves, which are used the same as the White. This variety, however, is more pungent.

White English

Used in salads and for garnishing. The leaves are light green, mild and tender when young. The seeds are of a light yellow color.

Okra or Gumbo

PER **5c** Oz. 10c; ¼ Lb., 25c; Lb., 70c, POSTPAID. NOT POSTPAID, Lb., 65c; 5 Lbs., \$2.75.

The young green pods are used in soups or stews, or in the South as a separate side dish. They impart a rich flavor to soups.

CULTURE—Sow late in the spring, after the ground has become warm, in drills 3 feet apart, and when the plants are three inches high thin out from 10 to 12 inches. They should be well manured. They also can be started in a hotbed and transplanted afterwards. The young green seed pods of this plant are used in soups or stewed and served like asparagus. The young pods can also be dried for winter use.

Early Dwarf Prolific

It is a small fruited sub-variety of the Long Green Okra, but is earlier and more productive. The pods are very short.

Tall

Grows to a height of five feet. Pods are usually 6 to 8 inches long, slender, pointed and about 1 inch in diameter, and are usually eight-ridged.

White Velvet

Distinctly unlike other varieties in that the pod is perfectly smooth and round. They are of attractive appearance and superior flavor and tenderness. The plants are comparatively dwarf and of compact branching growth; the pods are of extra large size and produced in great abundance.

PRICE OF ALL LETTUCE EXCEPT NEW YORK MARKET AND MIGNONETTE

LETTUCE PER **5c** OZ., 15c; ¼ LB., 40c;
PKT. **5c** LB., \$1.25, Postpaid.
Not Postpaid, LB., \$1.20;
5 LBS., \$5.75.

CULTURE—Lettuce needs cool weather, plenty of moisture and plenty of room. Young lettuce plants are very hardy and for this reason the seed can be sown very early in the spring. The soil should be well prepared, the seed sown in rows about two feet apart, seeds about two to the inch and covered for ¼ to ½ inch. When the plants are about two inches tall thin them to two inches apart, then a little later to four inches apart. Repeat this until the plants will be one foot apart when mature. In growing head lettuce it is important that the heads develop as much as possible during cool weather. For this reason the seed is usually sown in hotbeds and plants set in the field when weather permits. One ounce will sow a row 80 feet long; four pounds to the acre.

Lettuce is by far the most important salad crop grown in the United States and Canada. Market gardeners regard it as one of their most profitable crops and truck farmers find it satisfactory to grow on a large scale. As a forcing crop, both in frames and in greenhouses, it occupies first place in commercial importance. All cultivated lettuce may be considered as belonging to two distinct types or classes, head lettuce and leaf lettuce, and both these classes are so well known that a detailed description is not necessary.

Big Boston

A splendid shipper, sure header, reliable and hardy, and is a good late summer or autumn variety. Mature plants are very compact and form a well-defined, broad, slightly pointed head well balanced, with outside leaves turned and twisted backward at their borders, but otherwise very tightly and completely overlapping one another.



May King

The best Butterhead lettuce for forcing as well as early spring planting in the open ground. It is extremely hardy, and therefore can be planted very early. It makes a quick growth forming when mature, a large, attractive head, the outside leaves of which are tightly folded. It has a rich buttery flavor, and we recommend it particularly to market gardeners as a good shipper and good seller.

May King

Grand Rapids

A crisp, early-intermediate, quickly shooting to seed. A splendid shipper and considered by far the best and most profitable for forcing, by a great many gardeners. Color is very light green, and forms a very large head which is tender and sweet when grown in greenhouses.

Black Seeded Simpson

An especial favorite with both market gardener and home gardener, adapted to all parts of the country and grown everywhere. It succeeds in summer when other sorts of more delicate quality are failures. Plant is compact and consists of a firm, well blanched, rounded to elongated and V-shaped cluster of leaves, closely drawn together. Plant is of light green color.

Early Curled Silesian

A favorite for many years. Of dwarf, compact growth with crisp golden leaves with fine curved edges.

For prices of varieties in this column see lettuce heading above.

More Lettuce

Early Prizehead



Early Prizehead

This lettuce forms a large tender, crisp, loose head of bright green crimped leaves which are tinged with red. It is of superior flavor, long remaining sweet and slow to run to seed. Oz., 15c; 1/4 lb., 40c; 1 lb., \$1.25, postpaid.

Barteldes Denver Market

This variety was introduced by us in 1890 and has proven a great favorite with market gardeners. A decidedly crisp variety, fairly cabbage-heading,

large, medium in size, late-Intermediate in season, very slow to shoot to seed. The most blistered and crumpled leaved of all varieties, and this, together with its beautiful color, makes it one of the most handsome lettuces in cultivation. Color is very light green, never spotted nor brownish in any part. Pkt., 5c; oz., 15c; 1/4 lb., 40c; 1 lb., \$1.25, postpaid.

Early Curled or White Seeded Simpson

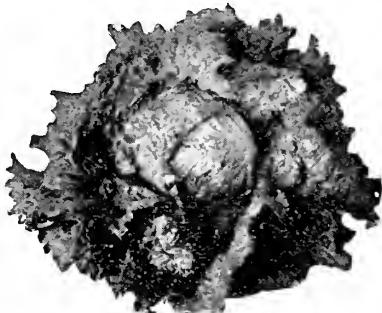
Used widely, which is probably due to its reliability, as it is certain, even under hard treatment, to make good leaves. Plant spreading and forming a rounded to low V-shaped, well balanced, fairly dense cluster of leaves, more or less open or spread out at the center and never cabbage-like, though some times very dense. Pkt., 5c; oz., 15c; 1/4 lb., 40c; 1 lb., \$1.25, postpaid.

New York or Wonderful

Our stock of this variety is of extra selected pure strain seed. It is one of the most popular varieties, succeeding everywhere and is extensively planted in all parts of the country. A very crisp variety, strictly cabbage-heading, very large, late, extremely slow to seed. Leaves are broad in shape, fairly blistered, crumpled and twisted, thick, stiff, and with heavy veins and a large protruding midrib. The quality is good, exceedingly crisp and firm in texture, very sweet but never buttery in flavor. Pkt., 10c; oz., 20c; 1/4 lb., 60c; lb., \$2.25, postpaid. Not postpaid, lb., \$2.15; 5 lbs., \$10.50.

Hanson

Plant spreading, but not loose in habit and forming a globular, extremely hard, well-defined, well-blanced head, with leaves blistered, crumpled and twisted, very thick, and coarse in appearance, with large midrib. Very light green color, never spotted or brownish in any part. The quality is very good, exceedingly crisp and firm in texture and very sweet. The standard summer cabbage-heading variety for either the home or market gardener. Heads often weigh three pounds. Not recommended for forcing. Pkt., 5c; oz., 15c; 1/4 lb., 40c; 1 lb., \$1.25, postpaid.



Hanson

Mignonette Lettuce

An excellent sort for family use, but too small and dark in color for market gardeners. It is probably the most delicate in flavor and tender in texture of the crisp varieties. Very reliable for spring and fall sowing and one of the most compact and hardest heading of all lettuces. It is very hardy, heads quickly and surely. Pkt., 5c; oz., 15c; 1/4 lb., 50c; lb., \$1.80, postpaid. Not postpaid, lb., \$1.75; 5 lbs., \$8.50.

California Cream Butter

A decidedly butter variety, strictly cabbage-heading, fairly early, and slow to go to seed. The plant is compact and forms a round, well blanced head, with leaves very closely overlapping each other. Medium early and makes a good sort for summer use. The quality is excellent. Pkt., 5c; oz., 15c; 1/4 lb., 40c; 1 lb., \$1.25, postpaid.

Paris White Cos

The Cos or Celery Lettuce is a very distinct type, having a tall, elongated head. The plant is fairly compact, decidedly upright, its leaves when young growing straight and flat, but when older the inner leaves become spoonshaped and make a well-defined, well-blanced, firm, loaf-shaped head. Pkt., 5c; oz., 15c; 1/4 lb., 40c; 1 lb., \$1.25, postpaid.

Muskmelons

Prices of all Muskmelons not specially priced:
PER OZ., 10c; 1/4 LB., 35c; LB., \$1.20. POSTPAID.
PKT. 5C NOT POSTPAID, LB., \$1.15; 5 LBS., \$5.50.

CULTURE—Muskmelons will grow on nearly any garden soil, but they will do best and mature earlier on a rich, sandy loam. The seed should not be planted until all danger of frost is past. Plant eight to 10 seeds in hills about 6 feet apart each way, and cover to a depth of 3/4 inches. After all danger of bugs is over, thin out to three or four strongest plants per hill, and cultivate until the vines cover the ground. If the plants are slow to set fruit, pinch off the ends of the growing shoots. One ounce will plant about sixty hills and three pounds will plant an acre. The use of Hotkaps will permit early planting and will hasten maturity.

Green Fleshed Varieties

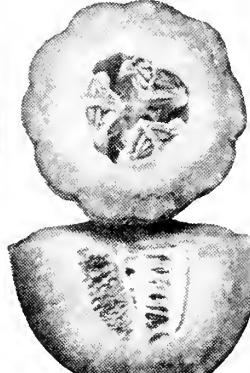
Barteldes Honey-Net

A combination of Netted Rocky Ford and Honey Dew

A cross between the Rocky Ford and the Honey Dew. An interesting feature of this melon is that it first has the appearance of the Honey Dew, in that it is perfectly smooth, and light green in color; and then just before it becomes ripe, it becomes heavily netted, which gives it an attractive appearance and makes it a good shipper. The meat of the Honey-Net is green, very thick, and the flavor being a blend of the flavors of both its parents, is truly delicious. The melons average from five to seven inches in diameter. Pkt., 10c; oz., 20c; 1/4 lb., 70c; lb., \$2.50; 5 lbs., \$11.25, postpaid.



Honey Net



Greeley Wonder

Greeley Wonder

One of the most profitable and satisfactory for the market gardener and also the home garden. It produces large melons which resemble the old time muskmelon in shape, having deep ribs, well netted skin and flesh of richest golden yellow, which is entirely without coarseness in texture. Its taste is much like the Rocky Ford Melon. Pkt., 5c; oz., 15c; 1/4 lb., 40c; lb., \$1.50, postpaid. Not postpaid, lb., \$1.40; 5 lbs., \$6.75.

Hearts of Gold or Improved Hoodoo

Melons are of medium size, round and distinctly ribbed, and are of attractive appearance. Flesh is very firm; of a deep orange color, fine grained; of remarkable sweetness and spicy flavor, and the skin is thickly netted, which makes it a good shipper. Pkt., 5c; oz., 15c; 1/4 lb., 40c; lb., \$1.50, postpaid. Not postpaid, lb., \$1.40; 5 lbs., \$6.75.

Honey Ball

Outstanding new melon maturing a week later than Burpee's netted Gem, is a little larger, ball-shaped and has delicious green meat. Skin is greenish-white and slightly netted. The flavor is delicious. Pkt., 5c; oz., 15c; 1/4 lb., 60c; lb., \$1.50, postpaid. Not postpaid, lb., \$1.40; 5 lbs., \$7.75.

Rocky Ford

The most important type commercially. It is of small size, oval shape, average weight is less than 2 1/2 pounds; skin is thin, netted, first green then a peculiar gray when ripe; flesh is pale green and very sweet. For prices see top of column.

Honey Dew Melon

The Honey Dew melon was produced by crossing the Rocky Ford with an African melon, and the Improved Hybrid Casaba; the final result was a melon which retained the sweetness of the Rocky Ford, the delicious flavor of the African melon, and the smooth hard shell of the Casaba. The average size is 6 to 8 inches in diameter, 7 to 8 inches in length, and weighs 5 to 6 pounds. Skin is smooth with an occasional net, and is a creamy yellow color when ripe. The flesh is emerald green, very thick, fine-grained, and can be eaten to the rind. It is an excellent shipper, due to the fact that the rind is hard, impervious to water, and not easily bruised. The Honey-Dew flavor and the very distinct type put this melon in a class by itself. Pkt., 10c; oz., 20c; 1/4 lb., 40c; lb., \$1.30, postpaid. Not postpaid, lb., \$1.25; 5 lbs., \$6.00.

Salmon Tinted Pollock 10-25

The Pollock 10-25 is of the Pink Meated or Salmon Tinted Rocky Ford type but considerably larger than the standard Rocky Ford. The shape is slightly oblong, it is heavily netted, has thick meat and consequently a very small seed cavity. The flavor is truly delicious. It is very rust resistant, very hardy and an excellent shipper.

It is the ideal melon for either the home market or long distance shipping. The seed naturally costs more than the common kind but it would be worth the price if it cost several times as much as it does. Pkt., 10c; oz., 20c; 1/4 lb., 50c; 1 lb., \$1.65, postpaid. Not postpaid, Lb., \$1.55; 5 lbs., \$7.50.

The Hackensack

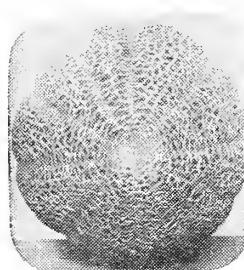
Medium-sized, flattened at the ends, average weight 3 to 6 pounds, heavily ribbed, and of particular value for light, warm, sandy soils. Is of most delicate flavor and very prolific. Pkt., 5c; oz., 10c; 1/4 lb., 35c; 1 lb., \$1.20, postpaid.

Extra Early Hackensack

This strain has been developed so that it produces melons with all the good qualities of the well-known Hackensack, but is at least 10 days earlier. Pkt., 5c; oz., 10c; 1/4 lb., 35c; 1 lb., \$1.20, postpaid.

Yellow Fleshed Varieties

Hale's Best



Hale's Best Muskmelon

Ted. The flesh is of a salmon color, remarkably sweet, extremely thick, and delicious to the rind. Pkt., 5c; oz., 10c; 1/4 lb., 35c; 1 lb., \$1.20, postpaid.

Peach or Garden Lemon

For sweet pickles, pies and preserves, these melons have no equal. The fruit is oval-shaped and of a bright, orange-yellow color, somewhat russeted. When it first ripens it is quite hard and has very little flavor, but soon becomes mellow, and has a rich flavor. Pkt., 5c; oz., 15c; 1/4 lb., 40c; 1 lb., \$1.40, postpaid. Not postpaid, Lb., \$1.35; 5 Lbs., \$6.50.

Burrell's Gem

Introduced later than the Rocky Ford, but now rivals it in popularity. It has a salmon flesh of unusual thickness, about 1 1/2 to 2 inches, the rind is very thin, slightly ribbed, and heavily netted. In size, it averages 6 inches in length by 4 inches in diameter. They stand shipping well, and the Burrell's Gem is now in demand on all big markets. Pkt., 5c; oz., 10c; 1/4 lb., 35c; 1 lb., \$1.20, postpaid.



Burrell's Gem

"BE THRIFTY"
PLANT A GARDEN
AND REDUCE TABLE EXPENSES

Banana Muskmelon

A long yellow fleshed melon. Meat of rich salmon color and highly flavored. When mature reaches a length of 20 to 28 inches, and is almost solid. Don't pick the melons until they are thoroughly ripe as they are then at their best. Plant some Banana Melons for home use and county fair exhibits. Pkt., 10c; oz., 15c; 1/4 lb., 40c; 1 lb., \$1.40, postpaid. Not postpaid, Lb., \$1.35; 5 Lbs., \$6.50.

WATERMELONS

PRICES OF ALL WATERMELONS EXCEPT WHERE
ESPECIALLY PRICED

PER 5C OZ., 10c; 1/4 LB., 30c; 1 LB., 85c, POSTPAID.
Pkt. 5C NOT POSTPAID, LB., 75c; 5 LBS., \$3.60.

CULTURE—The same as for Muskmelons, except that they should be planted from 8 to 10 feet apart each way. The seedlings must be protected from the cucumber beetle until the foliage becomes toughened.

We grow Watermelons for seed very extensively for they do wonderfully well in Kansas and Colorado, and we can supply the very best seed at the lowest market prices.

We urge every farmer and every gardener to have a melon patch. A very small plot will set enough melons to supply you with this delicious fruit, and if you have a surplus, you will always find a ready sale for them. The corn field is also a good place for Watermelons.

Irish Gray



Irish Gray Watermelon

This melon is of a greenish gray color. It is a splendid melon for home consumption, or for local market and has a decided advantage over the dark-skinned melons, in that it does not sunburn even when lying in the sun several days after becoming ripe. It is free from hard centers and strings, very firm, and does not break when sliced. Matures in about 90 days and stays in good condition for a long period. The equal of any in sweetness and quality.

Tom Watson

Immensely popular because there is delicious sweetness in every bite. The flesh is rich red, crisp and tenderly melting. The average size fruit of this variety reaches the size of 24 to 28 inches in length, and 12 to 14 inches in diameter. It has a mottled, dark green rind, thin, but tough enough to stand shipping.

Alabama Sweet

An old reliable. Comes into bearing early, and will bear longer than most other varieties. It is of good size, a first class shipper, and a very good melon.

Halbert Honey

The melons are oblong in form, symmetrically rounded at both ends. The skin is smooth, of dark green color, thin, and rather brittle; on this account the melons do not stand shipping well. But for home use, they are excellent. The flesh is of a beautiful crimson color, of luscious flavor and entirely free from strings. Try Halbert Honey this year.

Gypsy or Georgia Rattlesnake

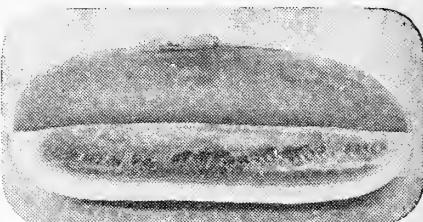
Fruit oblong, 20 inches to 2 ft. and 12 to 14 inches in diameter. Skin is smooth, dark green, marked with pale longitudinal bands. Flesh red, very melting, slightly sweet, and filling the whole of the fruit. A good shipper.

RAISE MELONS

FOR MARKET

Kleckley Sweet

Well named for the flesh of this melon is sweet as honey. The rind is dark green, and only about one-half inch thick. Seeds are white, lying close to the rind leaving a large, solid heart, which does not crack open when ripe.



Kleckley Sweet

See top of column for prices of all varieties listed in this column.

Watermelons

Wonder Watermelon



$\frac{1}{4}$ lb., 40c; lb., \$1.25, postpaid. Not postpaid, lb., \$1.15; 5 lbs., \$5.25.

Sweetheart

Vine vigorous and productive. Fruit large, rounded or slightly oblong; skin pale green, with bands of deeper color, flesh red, melting and very sweet. Rind thin, but very firm. A good shipper. For price see top page 14.

Stone Mountain

A very fine melon, especially popular in the southern states, where the fruits frequently weigh 50 to 80 pounds. The flesh is solid, bright scarlet in color, has few seeds, and is very sweet. Rind is of medium thickness, of dark green color, and is tough enough for home and nearby markets, but not tough enough for long distance shipping. The fruit is round or almost square-shaped. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 50c; 1 lb., \$1.50, postpaid. Not postpaid, lb., \$1.40; 5 lbs., \$6.75.

"King and Queen" Winter Watermelon

Spherical in shape, ivory shell, pink center, seeds black. Average weight 25 pounds. The most luscious, handsome, and valuable winter melon in the world. It is very hardy, a good drought-resister, and does well in any soil which grows melons. Has been shipped to market as late as December. Shell is very hard and the melon ripens to within one-eighth inch of it. Pkt., 10c; $\frac{1}{4}$ lb., 50c; lb., \$1.60, postpaid.

Cole's Early

Fruit is oval, small in size and handsomely striped with light and dark green. The rind is too thin and brittle to make it a good shipper, but it is a top-notcher in sugary crispness, and melting tenderness. Very early. For price see top page 14.

Citron

For preserving. Fruit very similar to the watermelon, but the flesh is used exclusively for sauces, pies, and preserving. The flesh is white, will keep solid all winter, and has a delicious flavor after it is cooked. For price see top page 14.

Pie Melon

Kansas Stock Pie Melon or Colorado Preserving Melon. A boon to the dry land farmer. This melon is grown extensively in Oklahoma, Western Kansas, and Eastern Colorado. It is immensely productive. The melons grow to a large size, some of them weighing as high as 60 to 70 pounds. The flesh is firm and solid with only very few seeds. The melons will keep all winter and can be fed to stock the same as turnips and beets. For price see top page 14.

Excel Melon

A Good Variety which Produces Large, Good Quality Melons

A comparatively new variety conceded to be a good producer of extra large, fine quality melons. It is a splendid shipping melon.

thick rind and good quality. Some seeds are dark and some are light, being a cross between the Tom Watson and the Blue Gem. For price see top page 14.

Golden Honey Watermelon

"Yellow as Gold and Sweet as Honey"

The melons are of medium size, oblong, the rind hard and of very dark green color. The meat is of a rich golden yellow color, crisp, and of fine flavor, and fairly melts in your mouth. Plant some Golden Honey and offer your friends a treat next fall. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25, postpaid. Not postpaid, lb., \$1.20; 5 lbs., \$5.50.

CULTURE—Onions do best in sandy loam which has been fertilized. The seed is sown early in the spring in drills. If rows are 12 to 14 inches apart for hand cultivation it takes $4\frac{1}{2}$ pounds of seed per acre and if 24 to 36 inches apart for horse cultivation $1\frac{1}{2}$ pounds to the acre. Onions must be cultivated frequently and also hand weeded to keep the weeds out.

Onions are natives of Asia but man has carried them to almost every climate of the world. They are grown from seed from small plants, and from bulbs. The large bulbs are commonly grown from seed and the bunch onions from sets.

For prices of Onion Seed not postpaid, deduct 10c for one pound, 15c per pound for 5 pounds, and 20c per pound for 10 pounds from the 1-lb. postpaid price.

Mountain Danvers

Considered by many onion growers as the best type of semi-globe shaped onion in existence. A handsome variety of distinct shape, having small neck, bright, even color, and ripens very early. The bulbs are very good keepers. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 80c; lb., \$2.50, postpaid. Not postpaid, lb., \$2.40; 5 lbs., \$11.75.



Sweet Spanish

Sweet Spanish

(Riverside Strain)

One of the largest and one of the best all around onions grown. Of attractive, light yellow color and a dandy shipper; globular shape, and the flesh is clear white tender and of sweet mild flavor. A money maker. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.25; lb., \$4.50, postpaid.

White Sweet Spanish

The pure white flesh of this onion is fine grained and exceptionally sweet. It is a splendid sort to use in salads or other ways without cooking. A very good keeper for so early and large variety, and is excellent for either the home or market garden. Pkt., 20c; $\frac{1}{2}$ oz., 70c; oz., \$1.25; $\frac{1}{4}$ lb., \$4.00, postpaid.

Japanese or Ebenezer

The demand for this variety of yellow skinned onion has grown in the last few years until it is now considered one of the most popular on the market. They produce a very large tonnage of marketable onion sets, and a very small percent of them run to seed. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00, postpaid. Not postpaid, lb., \$2.90; 5 lbs., \$14.00.

American Yellow Varieties

Prizetaker

The true type is a large globe, very handsome, of a bright clear straw color, with white flesh, which is firm and solid and of very mild and delicate flavor. No sets are required, as the large onions grow the first year from seed sown in the spring. This makes it as desirable for the home garden as for the market. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 70c; lb., \$2.25, postpaid.



Australian Brown

This fine onion is extremely hardy, and yields an enormous crop both in bulk and in weight. The bulbs remain in excellent condition until almost a year after harvesting. The skin is thick and of a rich brownish red color; the flesh is white, solid, crisp and mild. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00, postpaid.



Giant Prizetaker

Yellow Globe Danvers

A type preferred by home gardeners. It is of globular shape, flesh white, mildly flavored; skin brownish yellow. It is a good paying onion for general crop, being of a good size, a good keeper, and very productive. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00, postpaid.

Flat Yellow Danvers

The same type as the Globe Danvers except that it is quite flat, with a small neck. It ripens down quickly and keeps very well. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00, postpaid.

American Red Varieties

Southport Red Globe



Southport Red Globe postpaid.

A very fine medium early or main crop variety. The skin is of deep red color, and the bulbs are ideally globe-shaped, with very smooth surface, very small neck and reach full size within 110 days. They are of strong flavor, very firm and of superior quality. Pkt., 5c; oz., 20c; 1/4 lb., 60c; lb., \$2.00, postpaid.

Large Red Wethersfield

The old standard sort. It grows to full size in about 98 days from seed, and is a good drought resister. The onions are large, flat, fine grained, and of pleasant flavor. The skin is thick and of a deep red color. A heavy yielder and good keeper. Pkt., 5c; oz., 20c; 1/4 lb., 60c; lb., \$2.00,

60c; lb., \$2.00, postpaid.

American White Varieties

White Silverskin or Portugal

Bulb silvery white, flattened, and about 2 to 3 inches in diameter. It does not keep so well as some of the dark-skinned varieties, but is an excellent medium early sort. Pkt., 5c; 1/2 oz., 15c; oz., 25c; 1/4 lb., 80c; \$2.50, postpaid.

Southport White Globe

Bulb is silvery white, almost exactly spherical with a diameter of from 2 1/4 to 3 1/4 inches in every way, very firm, with a fine neck, and keeps remarkably well; leaves are dark green, slender and rather numerous. Pkt., 5c; 1/2 oz., 15c; oz., 25c; 1/4 lb., 80c; lb., \$3.00, postpaid.

New Hardy Winter Onion

This variety can be sown in the fall, and will live over winter in the open ground, unprotected, and will continue growing in the spring, when it will make handsome bunch onions from two to three weeks earlier than any onion sets. When fully grown the onions somewhat resemble the White Bermuda in shape. Pkt., 10c; oz., 50c; 1/4 lb., \$1.25; lb., \$3.50, postpaid.

Italian Varieties

Extra Early Barletta

Considered the earliest variety in cultivation. Onions are of a pure paper-white color, very mild and delicate in flavor, are from one to one and one-half inches in diameter, and three-fourths inches in thickness. When sown in the spring they make roots large enough for pickles and kitchen use within two months. Pkt., 10c; oz., 40c; 1/4 lb., \$1.25; lb., \$4.00, postpaid.

Mammoth Silver King

We have a pure strain of imported seed of this truly mammoth variety. The onions are of very large size, having been grown to weigh as heavy as three pounds, are flat in shape and both skin and flesh are pure white. It is mild and of a most agreeable flavor. Pkt., 10c; oz., 40c; 1/4 lb., \$1.25; lb., \$4.00, postpaid.

Early White Queen

Highly recommended for pickling purposes. This variety is an exceedingly early one. The bulbs are small, very much flattened, silvery white, from 1 1/2 to 1 3/4 inches in diameter and about one inch thick. Pkt., 10c; oz., 40c; 1/4 lb., \$1.25; lb., \$4.00, postpaid.

Gigantic Gibraltar Onion

It is very similar to the "Prizetaker," but will grow larger under favorable conditions. The skin is light straw-colored, and the flesh is white, solid and very mild. The ripe onions are splendid keepers, and if properly handled will surpass most of the other varieties in this respect. The growing crop withstands dry weather to a remarkable degree. Pkt., 10c; oz., 35c; 1/4 lb., \$1.25; lb., \$4.00, postpaid.



Gigantic Gibraltar Onion

**OUR NEW INTRODUCTION
"BARTELDÉS EARLY GRANO"**
LOOK FOR IT IN OUR 1933 CATALOG

Bermuda Onion Seed From Teneriffe

Imported from Teneriffe, Canary Islands, Spain

White Bermuda

A very great favorite, especially in the South where they are grown in large quantities each season. They are called white, but really are of a pale yellow color, are of very large size, and have an extremely mild, pleasant flavor. Pkt., 5c; oz., 40c; 1/4 lb., \$1.50; lb., \$5.00, postpaid.

Crystal White Wax

This is a large, flat, pure white onion, which is shipped in such large quantities from Texas each season. It matures early, is very productive, and is mild and sweet. Pkt., 10c; 1/2 oz., 30c; oz., 50c; 1/4 lb., \$1.75; lb., \$6.00, postpaid.

Valencia Onions (Direct from Spain)

White Valencia or Babosa

Produces a medium sized bulb, a little less than 3 inches in diameter and from 1 1/2 to 2 inches thick, flat and white, of very mild and sweet flavor and is excellent for home gardening. It is a rather early and very productive variety, but not a good keeper. Fine for the south. Pkt., 10c; oz., 45c; 1/4 lb., \$1.50; lb., \$5.00, postpaid.

Yellow Valencia or Grano

This valencia is becoming immensely popular and we predict that it will soon be seen on all markets. Bulbs are of large size, globe-shaped, with a small neck, straw colored, and of very fine grain. It matures late, but is a fine keeper and very mild and sweet. An extra heavy yielder, and attractive in appearance, and destined to become a leading variety for shipping. Pkt., 10c; oz., 50c; 1/4 lb., \$1.75; lb., \$6.50, postpaid.

Denia Onion

One of the largest onions. It is of the Spanish type with an extraordinarily mild flavor; nearly globe-shaped, slightly flattened and of a light yellow color. It is very popular in the south, can be highly recommended to gardeners who have a good local trade and wish the heaviest possible yield per acre. Pkt., 10c; oz., 25c; 1/4 lb., 80c; lb., \$3.00; 5 lbs., \$14.00, postpaid.

Onion Plants

Yellow (often called white) Bermuda and Crystal White Wax Onion Plants

These plants will make fine bunch onions or if left to mature will make the mild Bermuda Onion. Not good keepers. The plants will stand cold weather and can be set out early.

Either variety at 35c per 100, 45c per 200, 90c for 500 and \$1.50 per 1,000, postpaid. Ask for prices in larger quantities.

Onion Sets

For prices per bushel please see our Pink List. The bottom sets weigh 32 lbs. to the bushel and the Top Sets 28 lbs.

RED BOTTOM SETS. Lb., 25c, postpaid.

YELLOW BOTTOM SETS. Lb., 25c, postpaid.

WHITE BOTTOM SETS. Lb., 30c, postpaid.

WHITE MULTIPLIERS. The sets are formed in a cluster of 15 to 20 to a single plant. Lb., 30c, postpaid.

Many of the Kansas gardeners have reached the decision that a garden and orchard pay when they consider what others have done and returns they have received from home gardens the past year. One Kansas housewife found that every hour spent in the garden resulted in the return of \$1.75 per hour based on the food value of the products supplied for the family table.



LEEK

CULTURE—It may be sown in drills or broadcast. When the plants are six inches high, transplant into rows a foot apart, setting the plants four or five inches deep and about six inches apart in the rows. Used mostly in soups and stews. One ounce will produce about 1,000 plants.

Large Long or Scotch Flag

This variety has a very long and broad stem, leaves are commonly of a rather dark green color. It is of fine quality, rather early and a very productive variety. Aside from being valuable for soups and salads, when blanched, makes an excellent dish, if sliced and cooked. Pkt., 5c; oz., 20c; 1/4 lb., 60c; lb., \$2.15, postpaid. Not postpaid, lb., \$2.00; 5 lbs., \$9.50.

PARSLEY



PER OZ., 10c; 1/4 LB., 35c;
PKT. 5c
LB., 90c, POSTPAID.

NOT POSTPAID, LB., 85c;
5 LBS., \$4.00.

CULTURE—Parsley succeeds best in rich, mellow soil. As the seeds germinate very slowly 3 or 4 weeks elapse sometimes before it makes its appearance, it should be sown early in the spring, previously soaking the seeds for a few hours in tepid water. Sow thickly in rows a foot apart and half an inch deep. One ounce to 150 feet of drill.

The leaves of this plant, which are aromatic, are much used, raw, for garnishing, fried or boiled for flavoring, and on account of its beautiful green color, it makes a very attractive and useful border for flower beds.

Plain or Common Parsley

This is the hardest variety, foliage very dark green, with plain leaves, having a strong parsley flavor and much preferred in French cooking.

Moss or Triple Curled

In this variety the divisions of the leaves are deeply cut, and each of the small segments is more or less turned back on the upper side, giving the whole leaf a crisped or curled appearance which is attractive. The leaves are of dark green color, and are extra fine for garnishing and culinary purposes.

Hamburg Turnip Rooted

In this kind of Parsley it is not the leaves, but the thick fleshy roots, which form the edible part of the plant. They are of a dingy white color, and resemble parsnips a great deal in size, and form. The flavor is similar to Celeriac, but not so delicate. Used mostly for flavoring soups. Pkt., 5c; oz., 15c; 1/4 lb., 40c; lb., \$1.40, postpaid. Not postpaid, lb., \$1.30; 5 lbs., \$6.25.

PARSNIPS

PER OZ., 10c; 1/4 LB., 25c; 1 LB., 80c, POSTPAID.
NOT POSTPAID, LB., 70c; 5 LBS., \$3.25.



CULTURE—Parsnips are grown in the same manner as Carrots, only they may be sown earlier in the year—about the end of February or early in March. Being a very hardy plant, the crop may be left in the ground until late in autumn, or even all through the winter, and taken up as the roots are required. One ounce will sow 150 feet of drill, five pounds to the acre.

A very desirable fall and winter vegetable, easily grown in all soils and sections. Has long tap root, which is white, swollen, and fleshy. The roots are boiled, and are often used for flavoring broth or soup without being eaten. They are also used as a food for horses.

Guernsey

Roots are comparatively short, ending somewhat abruptly with a small tap root; grows with a cavity on the top or crown of the root. This is a good table variety.

Hollow Crowned or Sugar

The roots, which are creamy white, grow 10 to 12 inches long, and are smooth, tender, sweet and of excellent flavor. This variety is very easily raised and is very productive.

♦ PER 1/2 LB., 20c; 1 LB., 30c;
PKT. 5c POSTPAID.

NOT POSTPAID, LB., 25c; 5 LBS., \$1.10; 10 LBS., \$2.00.

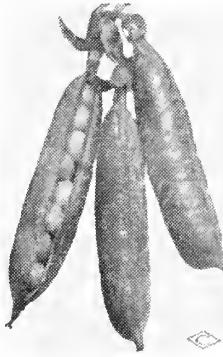
CULTURE—Peas can be grown in every garden, but for earliest varieties a light warm, moderately rich soil is best. The smooth kinds can be sown as soon as the ground can be worked, but the wrinkled varieties should not be planted until about two or three weeks later. Sow in single or double rows from 1 1/2 to 3 feet apart, dropping a pea every inch and covering from two to three inches. For a succession sow every ten days up to July. Sow one quart to 50 feet drilled: 1 1/2 to 2 bushels to the acre.

Peas are one of the most important vegetables grown in this country. They can always be found in home gardens, and truckers regard it as one of their leading vegetables for early and mid-summer market. Varieties are classified as smooth and wrinkled; there are dwarf and tall varieties of each class. The smooth peas may be planted earlier than the wrinkled peas, because they do not rot so quickly in the soil and the plants are harder; but the wrinkled peas are sweeter.



Early Smooth Varieties

Alaska



First and Best

A remarkably early variety, and a good yielder. Foliage and pods are of light green. Pods 2 1/2 inches long round, straight and square ended containing 6 light green peas. Uniform in maturing. Plant is 2 1/2 feet high. We advise market gardeners to give this variety a trial.

First and Best

Not quite as early as the Alaska, but is prolific and hardy. Plant is 2 1/2 feet high, producing medium-sized pods well filled with round smooth peas of excellent flavor.

Early Wrinkled Varieties

Gradus

One of the earliest wrinkled peas, very popular and is very hardy. Pods are large, medium green, 3 1/4 inches long, semi-round, straight, slightly curved and pointed, containing six to eight large, sweet peas, of excellent flavor. A first class table pea. Height 2 1/2 feet.

Laxtonian

Ideal for the small home garden where space is at a premium. Laxtonian Peas grow 18 inches high, but the vines are exceedingly vigorous and produce pods averaging 4 1/2 inches long, straight and pointed, containing 7 to 8 large peas of excellent flavor.

Premium Gem

A popular dwarf variety for family use on account of its exquisite buttery flavor. Foliage is dark green, pods 2 1/2 inches long, nearly straight, well filled to the ends; early in maturing, luscious in flavor and highly recommended.

Nott's Excelsior

This variety is very popular in the west and central west. It stands drought better than most other varieties. The vines are about 14 inches high, which permits close planting in rows, and they are self-supporting. Foliage and pods are light green; pods are 2 1/2 inches long, straight and round; peas are green, wrinkled, inclined to be square from packing in the pods.

American Wonder

Quite distinct from all other peas in habit of growth and appearance. The vines are only about 10 inches high, with dark green foliage and pods. Pods are straight, well filled to the ends, 2 1/2 inches long. Seeds are green, and wrinkled. They ripen 50 days from germination.



Laxtonian

SEE TOP OF COLUMN FOR PRICES OF ALL PEAS.

Barteldes Little Marvel

PER 5c $\frac{1}{2}$ LB., 20c; 1 LB., 30c; POST-PKT. NOT POSTPAID, LB., 30c; 5 LBS., \$1.20; 10 LBS., \$2.25.

An early, dwarf variety of excellent qualities. Fine for both home garden and market gardener. Vines will average 15 inches in height, producing pods in abundance, which are about 3 inches long, of dark green color, and well filled to the ends with deep green peas of delicious flavor.

Thomas Laxton

Very popular, early, large-podded, hardy variety producing an abundance of large, well filled pods which are rather blunt in shape. The habit and growth of the vine resembles Gradius, but the color is darker.



Little Marvel

Main Crop Varieties
Alderman
(IMPROVED TELEPHONE)

Very robust and vigorous growing plant, producing pods of very large size, averaging $4\frac{1}{2}$ to 5 inches in length, pointed at the end, and well filled with large peas of most excellent flavor. Vines reach from $3\frac{1}{2}$ to 4 feet in length. Pods dark green.

Dwarf Telephone

This variety was obtained by crossing the Stratagem and the Telephone. The season is medium, ripens about a week earlier than the Stratagem. Pods are about four inches long, broad, straight, rounded at the point, dark green in color and well filled. Pods often contain ten peas. Seed pale green, much wrinkled and shriveled.

Everbearing

Unexcelled for profusion and continuance of bearing. Plant has a remarkable branching habit, reaches a height of 2 to $2\frac{1}{2}$ feet and will do well without sticks or brush. Produces pods three to four inches long, broad, blunt, of fair size and light colored, filled with six to eight large, wrinkled peas of fine quality.



Everbearing

Improved Stratagem

A rather dwarf variety, with thick, short, close-pointed stems; leaves are very large, of yellow-green color. The seed is very large, oblong, flattened, often slightly depressed on one or two sides, but not wrinkled, and in color, a bluish green sometimes tinged with darker green at maturity. It is better for home garden than for field culture, as it is liable to suffer from the heat and drought of the summer. The immense pods contain 10 or 12 peas of large size.



Dwarf Telephone

Marrowfats and Sugar Peas
White Marrowfat

Similar to the Black Eye Marrowfat, is a popular heavy yielder, but the eyes in these peas are not black.

Dwarf Gray Sugar

A dwarf plant growing about two feet high, producing an abundance of edible pods which are very sweet and tender. They are prepared for the table just as you would snap beans and are served with white sauce.

SEE TOP OF COLUMN FOR PRICES OF ALL PEAS.

Don't Overlook the
"Barteldes Cucumber"

Page 11

PEPPERS

PER 5c $\frac{1}{2}$ OZ., 25c; OZ., 40c;
PKT., **5c** $\frac{1}{4}$ LB., \$1.40, Postpaid.

CULTURE—They thrive best in a warm deep, fairly moist, fertile, sandy loam, although they are often grown commercially on moderately heavy soils. The drainage must be good and a southern exposure is preferable. They should be started in hotbeds, in February or March, and not planted outside until the soil is warm and there is no danger of frost. Set the plants in rows 2 feet apart and 18 inches in the row. Hoe often and keep the weeds down.

The pepper is increasing in importance. Formerly, its culture was restricted to the hot, pungent varieties, but the introduction of the sweet peppers or mangoes has greatly extended its use. It has become an important crop to truckers. The hot varieties are used for seasoning, and the mild varieties for pickling, salads, and for stuffing and baking.

Barteldes Ruby Giant

A cross between the Ruby King and the Chinese Giant, having the good qualities of both. The peppers are of very large size and so sweet and mild that they can be eaten raw. The flesh is very thick and when ripe is of a deep red color. Ruby Giant matures early and the plant is vigorous. The fruit is large and sweet and splendid for stuffing. We recommend this to the market gardener and the home gardener.



Ruby Giant

California Wonder
(Sweet)

Large green fruits popular with market gardeners and shippers. Only slightly later than Ruby King. Size of fruits $4\frac{1}{2}$ inches long, $3\frac{1}{2}$ inches in diameter. Pkt., 5c; $\frac{1}{2}$ oz., 30c; $\frac{1}{4}$ lb., \$1.75.

Golden Dawn

One of the most profitable and interesting of the yellow bell-shaped peppers. It is dwarf, branching, producing peppers of beautiful bright yellow. Very productive, and attractive.

Ruby King

A remarkably mild and pleasant pepper of bright red color, growing 6 or 7 inches long, by about 4 inches through. Fine for stuffing and can be eaten sliced with vinegar, like tomatoes. The fruit is tapering or cone-shaped.

Large Bell or Bull Nose

A thick-set plant of light green color, branches short and stiff, seed vessels blunt and squared at ends, with four deep furrows and four corresponding ridges along the sides. Flesh is very thick with few seeds. Usually mildly flavored, but occasionally will produce fruits which are hot.



Chinese Giant

Chinese Giant

A late leafy variety, with square fruit of splendid shape for stuffing, of glossy-red color when ripe, very large and of mild flavor. Unusually productive. $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.75.

Long Red Cayenne

Fruit is a brilliant coral red, conical and from two to three inches long and about one inch thick. Very hot to the taste.

Small Red Chili

Appearance very distinct from other kinds, in that it has a very low-growing stem, and long tapering seed vessels about two inches long and about $\frac{1}{2}$ inch in diameter, of very bright scarlet color when ripe, and always very hot.

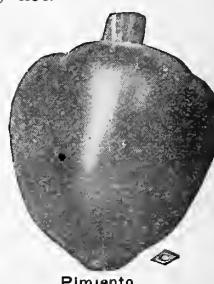
Large Red Chili

Slightly larger than the small red Chili, being 3 inches long and 1 inch in diameter. Fruit is very bright red, very hot, and ripens early. Used for making chili.

Pepper Pimento

This new pepper is very mild with thick heavy flesh and has a delicate flavor. The shape is very good, being of medium length and smooth. It presents an attractive appearance when filled for the table. It is also delicious when used in salads or creamed like onions. Very prolific; a good shipper.

See top of column for price of varieties not specially priced



Pimento

PUMPKINS

melons, etc., they are not so suitable for home gardening. The common practice is to plant the seeds in the cornfield, either in hills or between the rows, after the last cultivation. One ounce of seed will plant 30 hills, four pounds will plant an acre.

A native of this country, which seems to be a member of the large gourd family. They require a great deal of space and are therefore not grown much in the small home garden, but the taste for "pumpkin pie" inherited from our New England ancestors is yet alive, and the Thanksgiving dinner is incomplete without its tempting presence.

SMALL SUGAR

Most desirable variety for making pies. Smaller than the field, pumpkin, round, flattened, fine grained, sweet and very prolific. Matures in 65 days and is an excellent keeper. Pkt., 5c; oz., 10c; 1/4 lb., 35c; lb., \$1.00, postpaid. Not postpaid, Lb., 80c; 5 lbs., \$4.25.



Small Sugar

MAMMOTH TOURS
A french variety, stems creeping, 16 to 20 feet long, leaves very large, dark green, fruit round or long, generally flattened at both ends, with marked ribs, and a smooth skin of gray-green color marked with deeper bands. It often weighs 100 to 110 pounds. The flesh is yellow, not very thick and of fair quality. Generally grown for stock feed. Pkt., 5c; oz., 10c; 1/4 lb., 25c; lb., 85c, postpaid. Not postpaid, Lb., 80c; 5 lbs., \$4.00.

CONNECTICUT FIELD

The well-known old Connecticut variety. Skin is of orange color, with deep orange flesh. Grows well among corn, varies in shape, is generally grown for feeding dairy stock. Pkt., 5c; oz., 10c; 1/4 lb., 25c; lb., 85c, postpaid. Not postpaid, Lb., 80c; 5 lbs., \$3.75.

CHEESE

A heavy yielder, and very good for a main crop variety. Very popular in the south. Fruit is flat, having a circumference of six or seven times as much as thickness. Flesh is pale yellow, tender, and of excellent quality. It is fine for pies, and makes a good stock food. Pkt., 5c; oz., 10c; 1/4 lb., 25c; lb., 90c, postpaid. Not postpaid, Lb., 85c; 5 lbs., \$4.00.

KENTUCKY FIELD

A large variety, hardy, late and very prolific. Fruit is rounded, flattened, with sweet yellow flesh. Has thick meat of very fine quality and is excellent for canning. Pkt., 5c; oz., 10c; 1/4 lb., 25c; lb., 70c, postpaid. Not postpaid, Lb., 60c; 5 lbs., \$2.75.

KING OF MAMMOTH OR GENUINE MAMMOTH

The flesh and skin are of a bright golden yellow. Flesh fine grained and of excellent quality. Notwithstanding its enormous size, it is one of the very best pie pumpkins ever grown, and a splendid keeper. This enormous variety has been grown to weigh over 200 pounds. Pkt., 5c; oz., 15c; 1/4 lb., 45c; lb., \$1.40, postpaid. Not postpaid, Lb., \$1.30; 5 lbs., \$6.25.

CUSHAW OR CROOKNECK

Has a hard white or green-striped shell, and sweet, solid, good keeper. It is a good pie pumpkin. Pkt., 5c; oz., 15c; 1/4 lb., 45c; lb., \$1.30, postpaid. Not postpaid, Lb., \$1.20; 5 lbs., \$5.50.

King of Mammoth

yellow flesh. Very hardy and a good keeper. It is a good pie pumpkin. Pkt., 5c; oz., 15c; 1/4 lb., 45c; lb., \$1.30, postpaid. Not postpaid, Lb., \$1.20; 5 lbs., \$5.50.

Seed Potatoes

We handle seed potatoes only and can furnish first class stock of either home grown or northern, Red River stock. We ship potatoes whenever the weather seems favorable, but as these are perishable, we cannot assume any responsibility for freezing or other damage in transit.

We list on our Pink List those varieties which we can supply at the date given on the Pink List. We are always pleased to make special quotations on large quantities at any time.



USE
"SEMESAN BEL"
FOR SEED POTATOES

CULTURE—They require the same general culture as melons and squashes. As the plants require much space and since they readily mix with cucumbers,

PER OZ., 10c; 1/4 LB., 35c; LB., 90c,
PKT. 5C POSTPAID.
NOT POSTPAID, LB., 85c;
5 LBS., \$4.00.

RADISHES

CULTURE—They do best in sandy loam of good fertility. If the soil is stiff add sand or ashes. The seed should be sown just as early in the spring as possible in rows 12 to 18 inches apart. Radishes must be given sufficient room to enable them to develop to full size without any check. It is therefore, of great importance that they be thinned as often as necessary. The small round varieties should be from 1 to 1 1/2 inches apart and the long ones 2 to 3 inches apart.

Radishes will grow almost anywhere. Yet, to grow a quality product, they must be grown quickly and must not be allowed to become overgrown. Attention should be paid to their growing far enough apart in the rows that the roots do not crowd each other. The selection of proper sorts for different seasons is also important. They are considered as the easiest vegetable to grow, and anybody having a few square yards of garden space can have them in abundance. They thrive in all soils and do well in most all climates.

Early Varieties

BARTELDES SPARKLER

The Best of the Round White Tipped Varieties.

A very early and excellent variety both for forcing and sowing in the open ground. It is ready in about 20 days. The color is a vivid scarlet, with white tip, and is very attractive. Flesh is crisp and sweet and remains fit for use longer than most other globe-shaped varieties.

RAPID RED OR SAXA

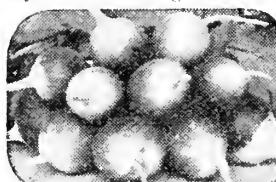
One of the earliest of the Scarlet Turnip varieties. This radish is very tender, crisp and skin is of a rich scarlet color. Excellent for forcing.

CRIMSON GIANT GLOBE

A new type, radically different from any other variety in cultivation, in that its roots attain more than double the size of those of other forcing varieties without getting pithy or hollow. When mature they measure 6 to 8 inches in circumference, weight one ounce, their pure, white flesh remaining firm and crisp, and of mild flavor. A fine forcer and also a good garden variety.

EARLY SCARLET TURNIP

Root very round, or slightly flattened, of very bright color; flesh white, firm, crisp, and very pleasant to the taste; leaves of rather light green in color. It is fit for use about twenty days after sowing. An old favorite.



Early Turnip Red White Tip

EARLY TURNIP RED, WHITE TIPPED

A handsome and exceedingly early variety. The root of this radish swells quickly, but it also quickly becomes hollow at the center and should be pulled as soon as fully grown. Market gardeners grow this in preference to all other kinds for an early crop.

EARLY SCARLET GLOBE

A larger variety than the Early Turnip, and is very popular in some markets. The root, though not as long as the olive-shaped sorts, is not as round as the turnip varieties, leaves are small, and the bright red roots form rapidly. Flesh is white and tender.

Olive-Shaped Varieties

FRENCH BREAKFAST

A market garden radish. Root ovoid, slightly elongated, usually olive shaped, cylindrical for a good part of its length, and rounded at both ends. Skin is bright pink on the upper part, and white on the lower part. It is very productive, early, and the flesh is exceedingly crisp and tender.

Half Long Varieties

BARTELDES GLASS

Our own introduction. We called it "Glass Radish" because the flesh is almost transparent. Skin is white-tipped, of light pink color, and roots are of uniform size. Flesh is always crisp, and brittle, of mild flavor, and does not become hollow in the center.

Summer Varieties

CHARTIERS

May be grown in the open ground easily. A handsome variety, with long straight tapering roots. The upper part is of bright rose color, while the lower portion is much paler, and sometimes even white.

LONG WHITE VIENNA OR LADY FINGER

Roots form in four or five weeks, and are white, very smooth, clean skinned, of spindle shape, straight, from four to five inches long, and one inch in diameter at the top. Flesh is white, very tender, crisp and juicy.

WHITE STRASBURG

A productive variety which withstands summer heat well. Root is long, about 4 to 5 inches, pointed; skin is white rather tender, and not too pungent.

A NEW ONION—"BARTELDES EARLY GRANO"
in next year's catalog

PER OZ., 10c; 1/4 LB., 35c; LB., 90c, POSTPAID.
PKT., 5c NOT POSTPAID, LB., 85c; 5 LBS., \$4.00.

Long Varieties

White Icicle (Eizapfen)

An entirely distinct long, white variety. It is ready for use fully as early as Long Scarlet Top, with less foliage, rendering it most desirable for forcing. In the open ground the roots retain their brittle crispness until they are as large as the Long Bright Scarlet. Superior to any of the red varieties. Roots about six inches in length, and $\frac{1}{4}$ inch in diameter.

Early Long Scarlet Short Top

Root extremely long and slender, five or six inches in length, and only about a half inch in diameter, cone shaped, and form in about a month; skin smooth, of bright scarlet color; flesh almost transparent, tinged with pink or lilac. The appearance of the flesh distinguishes this variety from all others. A standard variety for both home and market garden use.

Winter Radishes

This name is applied to those kinds which have such firm-fleshed roots that they will keep through a great part of the winter without becoming hollow. They should be sown in July or August. A temporary pit can be made by

White Icicle partially burying a wooden box in a well drained location. Cover the top with earth, leaving only the upper part of the front of the box exposed. Exposed part can be protected by boards or a door on hinges. Potatoes, carrots, parsnips, turnips, beets, salsify, and winter radishes, can be stored in this pit and be kept in good condition.

Long Black Spanish

Has a very regular cylindrical root, which reaches a length of from 7 to 10 inches. Skin is very black, and somewhat wrinkled; flesh is white, firm and compact. This variety is an excellent keeper.

Round Black Spanish

Root is round, sort of top-shaped, skin is black; flesh white, very firm. Roots keep well and are stronger in flavor than any other round radish.



Round Black Spanish

White Chinese or Celestial

A beautiful large, white radish grown very extensively by the market gardeners for fall and winter trade. Root is white, cylindrical, very firm and mildly flavored.

Rose China Winter

A popular variety for winter. Root is large, red, with white tip. A very good keeper, and more mildly flavored than the Spanish types.



Rhubarb or Pie Plant

PER OZ., 10c; 1/4 LB., 40c; LB., \$1.45,
PKT., 5c POSTPAID. NOT POSTPAID,
LB., \$1.35; 5 LBS., \$6.75.

CULTURE—Succeeds best in deep, somewhat retentive soil. The richer its condition and the deeper it is stirred, the better. Sow in drills an inch deep, and thin out the plants to 12 inches apart. The following spring, transplant from four to five feet apart each way. One ounce produces from 400 to 500 plants.

Rhubarb, when cultivated is remarkable for its large heart-shaped leaves, which sometimes measure over 2 feet in length and nearly two feet in breadth. The leaves are borne on stalks which are rounded underneath, and channelled on the upper surface, from one to two inches in diameter, and 12 to 16 inches in length. Rhubarb may be grown from seed, or propagated by dividing the root-stock of the plants. Stalks are used for making tarts, pies and preserves.

Linnaeus

A second-early sort, which is a large and strong grower. Stalks are deep green, rounded, and good in quality.

Victoria

A little later than Linnaeus. Stalks red, very thick, considerably longer than the blade of the leaf; leaves broader than long, heart-shaped or rounded.

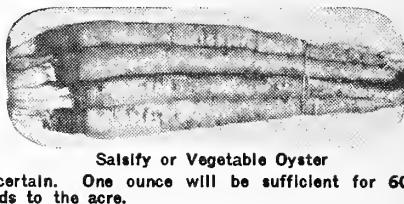
Rhubarb Roots

Linnaeus and Victoria. 2 for 25c; 5 for 60c; 12 for \$1.25, charges prepald. If by freight or express, not prepald, \$1.00 per dozen; \$7.00 per 100.

Salsify or Oyster Plant

PER OZ., 25c; 1/4 LB., 75c; LB., \$2.75, POSTPAID.
PKT., 5c NOT POSTPAID, LB., \$2.65; 5 LBS., \$13.00.

CULTURE—The seed is sown in the spring, where the plants are to stand, in drills 10 to 12 inches apart. If the weather is dry at the time of sowing, the drills should be watered a few times to assist the germination, which is always somewhat uncertain. One ounce will be sufficient for 60 feet of drill; seven pounds to the acre.



Salsify or Vegetable Oyster

This plant has a long fleshy tap-root, 6 to 8 inches in length, and 1 inch or less in diameter, with a yellow, rather smooth skin. The roots are boiled, and the tenderest leaves make a good salad.

Mammoth Sandwich Island

No market gardener should fail to grow this for it is a paying proposition. A wonderful improvement over the old variety. Oyster plant is a delicious vegetable and should be cultivated for winter use.

Spinach

PER OZ., 10c; 1/4 LB., 15c; LB., 35c, POSTPAID.
PKT., 5c NOT POSTPAID, LB., 30c; 5 LBS., \$1.45;
10 LBS., \$2.75.

CULTURE—Sow the seed in furrows, one-fourth inch deep, with eight or twelve inches between the rows. Timely thinning of plants to stand four to six inches apart helps in growing a quality product, and also helps in keeping the plants from going to seed prematurely. The main crop is sown in September, and if in exposed places it is sometimes covered with straw during the winter, which prevents it being hurt by frost. For summer use it may be sown at intervals of three weeks, from March to August. It is best developed most tender, and succulent when grown in rich soil. One ounce will plant 100 feet of drill; 10 pounds to an acre. The leaves are eaten boiled.

By far the most popular vegetable for "greens." It thrives almost anywhere, in all soils, but only during the cool seasons of the year.

King of Denmark

This new, long-standing Spinach has many decided advantages. The leaves are dark green, large, round and well blistered. It has the advantage over other Spinach as it holds up well under the July sun, adding two weeks to the season. It is fairly early.

Prickly Seeded Winter

A fine variety with triangular, oblong or arrow shaped leaves. Very hardy, and best for fall sowing where winters are severe.

Savoy Leaved or Bloomsdale

A rather curious kind with fairly large, much crumpled, glossy dark green leaves. Produces nearly twice the bulk of crop that the ordinary sorts do, is fully as hardy, and equal in all other respects.

Long Standing

An improved strain which surpasses all others for length of bearing. The plant forms compact tufts, with numerous green leaves somewhat crimped; leaf stalks are very short. Its distinguishing quality is that it runs to seed more slowly and later than any other kind.



Long Standing

Monstrous Viroflay

A valuable variety with very large thick leaves, making it especially desirable where bulk is wanted. It is an extremely vigorous growing variety, and is worthy of recommendation for any garden.

New Zealand

(*Tetragonia expansa*)

This is not a spinach of the ordinary kind, but a plant of branching growth. One single plant will grow to dimensions of six feet across, producing an abundance of thick, fleshy, juicy stems and leaves, which make an excellent spinach. The flavor is fine and the fact that it does well throughout the hottest summer, makes it all the more desirable. Pkt., 5c; oz., 10c; 1/4 lb., 30c; lb., 90c; postpaid. Not postpaid, lb., 75c; 5 lbs., \$3.50.

SQUASH

PER OZ., 10c; $\frac{1}{4}$ LB., 35c;
PKT. 5c LB., \$1.30, POST-
PAID. NOT POSTPAID, LB.,
\$1.25; 5 LBS., \$5.75.

CULTURE—Squashes may be put into two separate groups; the dwarf or bush type and the vining type. The vining or winter squashes require a lot of room but the bush or summer squashes can be grown in any moderate garden. The summer or bush squashes should be planted in hills from four to five feet apart and the winter or vining kinds in hills from 6 to 10 feet apart. Squashes are heavy feeders and it is therefore beneficial to put two or three forkfuls of manure in each hill. Plant from 10 to 12 seeds in each hill, but when the plants are of fair size thin them down to three plants to the hill. One ounce will plant about 40 hills of the small sorts and about 20 of the large sorts. 4 to 5 pounds to the acre. Aphicide No. 10 will kill all the young squash bugs and some of the old ones.

Bush or Summer Varieties**Summer Crookneck**

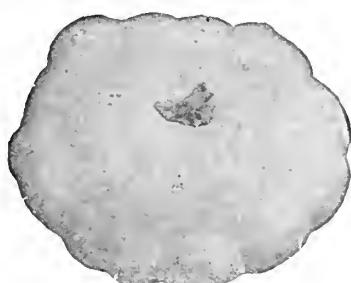
A small crooknecked summer squash; fruit of a very bright, orange color, elongated, covered with numerous roundish excrescences, narrowed and most usually curved in the part next to the stalk, and swollen at the other end. It is very early, productive, and of excellent flavor.

Mammoth White Bush

Belongs to the Custard Marrows. Fruit is very large, of a milky white color, very much broader than long, flattened, and the outline shows five or six projections or blunt teeth which are more or less curved back towards the stalk end of the fruit; flesh is firm, not very sweet but rather floury; skin very smooth.

Early White Bush

Also known as the Patty-Pan squash. Very productive, very early to mature, of the same type as the Mammoth White Bush, only not so large, and somewhat earlier.



White Bush

Mammoth Summer Crookneck

Largest and earliest of the crookneck summer squashes. Fruit is about twice as large as the Summer Crookneck, often measuring 24 inches in length, with exceedingly warty surface. The combination of earliness and size makes it a most desirable variety for the market gardener as well as for private use.

Mammoth Summer Crookneck**Winter Squashes****Sibley**

One of the best shippers owing to the hardness of the shell. Flesh is solid and thick, of bright orange color and choice quality. Flavor is rich and sweet, and it ripens easily.

Delicious

This fine new winter Squash is of the finest quality possible. In size it closely resembles the original Hubbard. In color it is almost uniform with occasionally a blue specimen. The thickness of its flesh surpasses nearly every other variety; the color being a dark orange. For table use, it cannot be excelled.

Hubbard

One of the best of the winter squashes for table use, and is rivaled only by the Delicious. The vines are very vigorous, and productive. Fruits are large, somewhat warted, with a very hard shell. Flesh is rich yellow, very thick, fine grained, dry, and of excellent flavor.

Warted Hubbard

Of extra fine quality. Attractive on the market and a ready seller. Very hard, dark green shell, heavily warted; flesh is dry and sweet. Its good-keeping and cooking qualities are unsurpassed.

Golden Hubbard

A very distinct sort, of the shape and general character of the Hubbard, but a little smaller, earlier to mature, and of a rich orange red instead of the dark olive green of the old Hubbard, while the flesh is of a little deeper color, and of very good quality. This variety is a fine keeper.



Hubbard

TOMATOES

CULTURE—The culture of the tomato is universal. It is, apparently, adapted to all localities and soils, and the taste for it does not, in any degree, diminish. Whether ripe or green, it is in demand, and no other fruit or vegetable is put to a greater variety of uses. For a small garden, sow a few seeds in a shallow box or flower-pot the beginning of March, and place in a sunny window. About May 15th, set plants in the garden, 3 feet apart each way, watering freely at time of transplanting if a large area is to be planted, sow seed in the hotbed in rows 5 inches apart and $\frac{1}{2}$ inch deep. When 2 inches high, transplant, four inches apart, to another hotbed, or in four-inch pots, one plant to a pot, and again transplanting to the open the middle of March. They should have frequent shallow cultivation in order to keep down the weeds and maintain a loose soil mulch over the surface to prevent evaporation. Cultivate after each rain, as soon as the ground is in condition to work.

Wilt Resistant Varieties**Kanora and Marglobe**

This disease is caused by a fungus, (*Fusarium lycopersici*), and can be controlled effectively only by growing wilt resistant varieties or practicing long rotations. The latter method is impractical, and frequently impossible. We therefore are pleased to offer two of the best wilt resisting varieties, and recommend that they be planted in sections infested with this disease.

Barteldes Kanora

Originated by the Kansas Agricultural Experiment station. It is a good variety anywhere, but is, of course, especially valuable for those regions which are infested with wilt. It is a mid-season or main crop tomato. Fruits are medium size, bright scarlet, evenly colored, very deep and globular and smooth. The stem cavity is small. Fruits are firm with thick walls which make this variety an excellent canner and shipper. The heavy foliage prevents sun-scalding and cracking to a large extent. It yields heavily and continues to bear until frost. The Kansas Agricultural Experiment Station honored us by giving us the distribution of the Kanora Tomato and we offer seed which was grown from the original stock seed. Pkt., 20c; $\frac{1}{2}$ oz., 60c; 1 oz., \$1.00; $\frac{1}{4}$ lb., \$3.50; $\frac{1}{2}$ lb., \$5.00, postpaid.



Kanora

Moreover, they can be held for a considerable time without spoiling. Pkt., 10c; $\frac{1}{2}$ oz., 30c; 1 oz., 50c; $\frac{1}{4}$ lb., \$1.75; $\frac{1}{2}$ lb., \$6.00 postpaid.

Earliana

Fruits are deep scarlet and grow closely together in clusters of five to eight, are of medium size, smooth, and solid. The plants are quite hardy with rather slender branches, bearing an abundance of fine tomatoes. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50, postpaid.



Earliana

Barteldes Kansas Standard

(Tree Type)

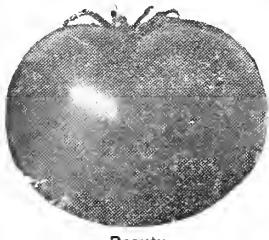
One of the best tomatoes for the Middle West. A true tomato of the potato leaved class. It is of rapid, vigorous growth, with strong heavy stalks, which stand up well unless, which is often the case, they are pulled down with overabundant fruit. It begins blooming when only six or seven inches high, attains a height of from two and a half to three feet and sets its fruit—a rare habit in any tomato—from the first blossoms. The fruit is of a bright, glossy red color and is produced in clusters of from four to five tomatoes. In shape the fruit is round, slightly flattened, ripening clear to the stem, perfectly smooth. It has very few seeds; the meat is thick and firm and of a most excellent flavor.

This tomato is a first-rate keeper and shipper. Pkt., 5c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.75; lb., \$6.00, postpaid.

More Tomatoes

Livingston's Globe

Exceedingly popular among many growers; and valued for its large purple fruits, which are truly globe-shaped and fine for slicing. The seed cavity is small and there is hardly any core. This variety is medium-early. Pkt., 5c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.40; lb., \$5.00, postpaid.



Beauty

Beauty
One of the most largely planted late Pink Tomatoes. The fruits color thoroughly over the entire surface, and retain their large size until late in the season. Very prolific, forming clusters of four or five large fruits. Pkt., 5c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; lb., \$4.50, postpaid.

Chalk's Early Jewel

Plant is of robust growth, and very productive. Fruits of deep scarlet, somewhat flattened, very smooth, of large size, excellent flavor, ripen early, and bear late. These handsome fruits are of finest table qualities, possessing remarkably sweet flavor, and are highly recommended for the home garden. Pkt., 5c; $\frac{1}{2}$ oz., 20c; oz., 30c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50, postpaid.

New Stone

A fine main crop variety. The vine is a strong grower, very productive, and its fruits are large, smooth, rounded or deep and slightly flat at the top and bottom. Fruits are almost free from core and are not liable to crack in wet weather. Pkt., 5c; 1 oz., 30c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.25, postpaid.

Greater Baltimore

The Great Canning Tomato

On account of its size, shape, color and enormous yield the Greater Baltimore has become immensely popular with the canners.

The Greater Baltimore is rugged enough to make a good crop under very adverse weather and soil conditions. It yields heavily and is a most dependable variety. Pkt., 5c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 80c; lb., \$3.00, postpaid.

John Baer

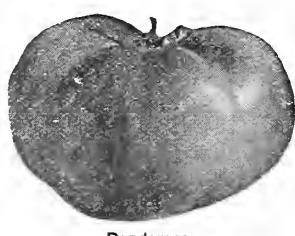
Vines are medium-size, but very productive. Fruits are uniform, entirely free from core and do not burst when ripe. The meat is solid and of a mild sweet flavor. It has a tough skin which makes it popular with shippers and canners. One of the earliest to furnish marketable fruits and continues to bear for a long time. Pkt., 5c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00.

June Pink

It is fully as early as "Sparks' Earlian," of high productivity, and the vines are absolutely blight proof. The splendid round, solid, meaty Tomatoes are the attraction of the markets. The plants are very thrifty, making a very vigorous growth. The fruits are usually set in large clusters, and run from $2\frac{1}{2}$ to $3\frac{1}{2}$ inches in diameter. They stand shipping exceedingly well. The Tomatoes are solid, free from core, have only few seed cavities, and the meat is of fine flavor. Pkt., 5c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00, postpaid.

Ponderosa

Although this variety has been known for a long time, it is still unsurpassed in size. The immense fruits often weigh $1\frac{1}{2}$ to 2 pounds, are meaty, and of delicious flavor. The seed cavities are small making the fruits very solid. The vines are very hardy, and productive, bearing large clusters of fruit, which are deep purple in color and irregular in form. Pkt., 5c; $\frac{1}{2}$ oz., 30c; oz., 50c; $\frac{1}{4}$ lb., \$1.75; lb., \$6.50, postpaid.



Ponderosa

Dwarf Champion

(Tree Type)

A second-early tomato, whose close, upright growth enables it to be planted much earlier and nearer together than any of the older sorts, which of course, means an earlier and larger yield. It is extremely productive. The fruit resembles the Acme, of a purplish pink color, smooth, medium-sized, and uniform. The skin is tough, and the flesh solid and of fine quality. Pkt., 5c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.40; lb., \$5.50, postpaid.

The Matchless

For the past twenty years Matchless has been considered the best main crop variety. The vines are of strong, vigorous growth, well set with fruit which are free from core; of a rich, cardinal color, and are not liable to crack from wet weather. The skin is remarkably tough and solid. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50, postpaid.

Yellow and Small-Fruited Varieties

PER OZ., 35c; $\frac{1}{4}$ LB., \$1.35; LB., \$6.25,
PKT. 10c POSTPAID.

Golden Queen

A yellow tomato, of medium size, ripens rather early; of attractive appearance and a distinct flavor all its own. Many consider this tomato of better flavor than the red varieties, as it is claimed to be less acid.

Yellow Plum

Fruits are plum-shaped and of a bright lemon color, are scarcely ever more than one inch in diameter and for this reason are fine for preserves and pickles.

Red Plum

Same as above, except for color.

Yellow Pear

Fruit of perfect pear shape, handsome, and solid. Our stock is true to type, and the small variety. Used for preserving.

Red Pear

Same as above, only red in color.

Red Cherry

A small variety, size and shape of a cherry, perfectly round and smooth. Unsurpassed for pickling.

Yellow Cherry

Same as above, except color.

Husk Tomato or Ground Cherry

Immensely productive, very sweet, mildly flavored. Fruits are about one-half inch in diameter, and enclosed in a loose husk. The seed we offer is of the genuine Ground Cherry.



Oxheart Tomato

Extremely large purple fruits shaped like an oxheart. Popular with the home gardener. Pkt., 10c; $\frac{1}{2}$ oz., 35c; 1 oz., 60c; $\frac{1}{4}$ lb., \$2.00; lb., \$7.00.

Break O'Day

Wilt Resistant

A cross between Marglobe and Earliana. Similar to Marglobe but about one week earlier. Promises to be very popular Pkt., 10c; $\frac{1}{2}$ oz., 35c; 1 oz., 60c; $\frac{1}{4}$ lb., \$2.00; lb., \$7.00.

Tobacco

PER OZ., 40c; $\frac{1}{4}$ LB., \$1.25,
PKT. 5c POSTPAID.

Havana

Pure Cuban grown seed. When grown in this country commands a high price as cigar stock.

Connecticut Seed Leaf

Best adapted to the climate of the Middle and Northern States, as it is more hardy and endures the cold better than the tender varieties grown in the South.

Missouri Broad Leaf

A well known standard sort, valuable for cigar wrappers.

White Burley

A variety grown for the manufacture of fine cut and plug.

TURNIPS

PRICES OF ALL TURNIPS
AND RUTABAGAS EXCEPT
MILANS
PER OZ., 10c; 1/4 LB., 25c;
PKT. 5c LB., 70c, POSTPAID.

NOT POSTPAID, LB., 60c; 5 LBS., \$2.75; 10 LBS., \$5.00.

CULTURE—For the early crop, sow the seed as soon as the ground can be prepared; for the late crop, sow in the latter part of July or early in August. The rows may be 12 to 18 inches apart or 26 to 30 if a horse cultivator is to be employed. The tendency is to sow the seed too thickly. If one good seed is dropped to every inch of furrow the stand should be satisfactory. For the late crop the seed may be sown broadcast in well-prepared soil and then raked in lightly. Before storing, the tops should be removed.

It thrives best in a cool, moist climate. The leaves are hardy and the roots may be left unprotected in the open ground until there is danger of hard freezing weather. Turnips are used in pot-boiled preparations with potatoes, cabbage and meat, or are boiled with pork.

White Fleshed Varieties

The Earliest varieties are the two Milan Turnips. These reach a size of two to three inches in sixty days and it is at this size that they are best.

Extra Early Purple Top Milan

The earliest in cultivation. The bulb is very flat, medium size, quite smooth, with a bright purple top; leaves few, short, and light of color. The pure white flesh is of the choicest quality, hard, solid, and fine grained. It is an excellent keeper. Pkt., 5c; oz., 10c; 1/4 lb., 30c; lb., \$1.00.

Extra Early White Milan

Root small, very smooth, flat, entirely white, with a slender tap-root; leaves small and few, undivided, oval. A variety of the Purple Top Milan, quite as early, as well suited for forcing, and milder in flavor. Prices same as Purple Top Milan.

Purple Top Strap-Leaved

The standard for this part of the country. The root is small or medium-sized, very flat, quite smooth, pure white on the underground part, and bright violet-red on the upper part. The leaves which are entire, rather erect, and very short, are few for the size of the root. It is a variety which can be sown for early or late planting, and is of good flavor.

Early Snowball

Root tolerably flattened or globular, of a pure white color. It is of medium size, of excellent quality, and in our markets it is much admired.

Early White Egg

A quick-growing, egg-shaped variety. Its pure white skin and quick growth make it particularly suitable for market purposes. The flesh is very sweet, firm and mild, never having the rank strong taste of some varieties.

Purple Top White Globe

An old favorite. Root large, quite round, white underground, and purple on the upper part for about one-half of the length of the root; leaves very broad, little divided, dark green, tinged with brown during winter. Of good quality for the table, yields heavy crops, and may be recommended also for cattle-feeding purposes.

Pomeranian White Globe

A free-growing rough-leaved sort used for both table and stock. The root is of regular spherical shape, skin is smooth, and entirely white except where it is marked by a few scars around the neck indicating the positions of the earliest leaves. Flesh is white, very firm and close grained. It is admired for table use in early winter.

Cowhorn

Without question a good flavored and delicate sort. A distinct figure is its rapid growth. This variety is pure white, except a dash of green at the crown, and in shape is long like a carrot and generally crooked, hence its name.

Early White Flat Dutch

A popular early turnip for table use. The root is a broad disc shape, rather round in outline, about four inches in diameter and two inches in depth; flesh is white, tender, not very sugary, and of good quality.

See top of column for prices.

**Yellow Fleshed Varieties**
Amber Globe or Strap-Leaved

Root almost round or, more usually, top-shaped, pale yellow, with a green neck; leaves entire, long, and light-colored. Flesh pale yellow, fine-grained and sugary. A good keeper and a good keeper.

Seven Top

The salad turnip. This is a very distinct variety cultivated largely in the South where the tops are used as greens. When sown in the early spring, it produces greens very quickly. In the south it is also sown in the fall as it is very hardy and will grow all winter.

Purple Top Yellow Rutabaga

CULTURE—Same as for the turnip, except that the rutabaga requires more room and a longer period for its growth. The roots are quite hardy and will withstand considerable frost. It is used like the turnip, and also for stock feed. Two pounds of seed are required for one acre.

Purple Top Yellow is the best variety of the Swedish turnip. It is hardy and productive, flesh is yellow, of solid texture, sweet and well flavored; shape slightly oblong; terminates abruptly with no side or bottom roots; color deep purple above the ground and bright yellow beneath; leaves are small, light green, with little or no neck. The most perfect in form, the richest in flavor and the best in every respect.

Aromatic, Medicinal and Pot Herbs**NO GARDEN IS COMPLETE WITHOUT A FEW HERBS**

ANISE. An annual, cultivated for its seeds and its leaves, which have a fragrant, agreeable scent, and a pleasant taste. Pkt., 10c; oz., 15c.

BALM. A hardy perennial of aromatic taste and fragrant smell. Pkt., 10c; oz., 25c.

BORAGE (Gurkenkraut). Annual. In Germany the leaves are cut and used for a cucumber salad. Beautiful blue flowers. Pkt., 10c; oz., 25c.

CARAWAY (Kuemmel). The seed are useful for flavoring. Pkt., 10c; oz., 15c.

CATNIP or CATMINT. A great favorite among medicinal herbs. Pkt., 10c; oz., 30c.

CHERVIL. Annual. Its tender leaves are sometimes used for soups and salads. Pkt., 10c; oz., 15c.

CORIANDER. Annual. Its tender leaves are sometimes used for soups and salads. Pkt., 10c; oz., 15c.

DANDELION (Loewenzahn). Perennial; cultivated for greens; an excellent tonic. Pkt., 10c; oz., 40c.

DILL. Annual; it is cultivated for its seeds, which are used medicinally and for flavoring pickles. Pkt., 10c; oz., 20c.

HOREHOUND. Perennial; of strong, and aromatic smell; used as a tonic. Pkt., 10c; oz., 30c.

HYSSOP. A perennial with aromatic flowers and pungent flavor. Pkt., 10c; oz., 30c.

LAVENDER. Perennial; cultivated for its fragrant flowers and aromatic leaves. Pkt., 10c; oz., 40c.

ROSEMARY. Perennial; the tops only are used as a medicine. Pkt., 10c; oz., 40c.

RUE. Perennial; a very powerful tonic. It must not be allowed to run to seed. Pkt., 10c; oz., 40c.

SAGE. Perennial; tea made from these leaves is an excellent means of producing sweat. Pkt., 10c; oz., 50c.

SAVORY. Annual; leaves are used for culinary purposes. Pkt., 10c; oz., 30c.

SORREL. Broad leaves. Perennial; used in soups, and salads, and sometimes cooked like spinach. Pkt., 10c; oz., 20c.

SWEET BASIL. Annual; the leaves are used for highly seasoned dishes as well as in soups, stews, and sauces. Pkt., 10c; oz., 25c.

SWEET FENNEL. Perennial; tea made from the seed is an excellent remedy in case of colic and stomach complaint. Pkt., 10c; oz., 15c.

SWEET MARJORAM. Biennial; the leaves are used in soups, the seeds in sausages. An Aromatic of sweet flavor. Pkt., 10c; oz., 40c.

SWEET THYME. Perennial; thyme tea is an excellent remedy for nervous headaches. Pkt., 10c; oz., 50c.

WORMWOOD. Perennial; leaves are sometimes used for flavoring. Pkt., 10c; oz., 40c.



Sage

the manufacture of

Pkt., 10c; oz., 40c.

SWEET THYME. Perennial; thyme tea is an excellent remedy for nervous headaches. Pkt., 10c; oz., 50c.

WORMWOOD. Perennial; leaves are sometimes used for flavoring. Pkt., 10c; oz., 40c.



YOUR HOME AND ITS SURROUNDINGS

Make Flowers Your Friends and They Will Make Friends for You

Passers-by judge the occupants of a house only by its surroundings.

A few years ago the back yard was a place better left unseen. It was usually piled with rubbish or left bleak and bare, and certainly was not a pleasant sight to look upon, either from the rear windows or from the street.

Today it is a place of quiet beauty and peacefulness, where we are proud to take our guests.

It is an outdoor playroom for the children—and what a playroom! A living green carpet, walls a gay riot of rainbow color and a ceiling of blue sky dappled with green leaves of one or more sheltering trees. A playroom which will enrich your child's mind and awaken his interest and appreciation for the better and finer side of life.

There is no soil too rocky or too poor to grow some kind of flowers. If you have rocks, make a rock garden. If your soil is very poor, this book will tell you the kind of flowers which can be grown on poor soil. It only means the scattering of a few little brown or black seeds, and in the course of two or three months you will marvel at the transformation into a wealth of gay yellows, blues, pinks, purples or reds.

As with household furnishings you can make the outdoor surroundings as rich and lavish as you wish. But—if you do not have a lot to spend, you can also accomplish wonderful things with very little expense. Our catalog offers seeds of flowers at small costs, and from seeds of annual flowers you can get the same results of beauty and color that your wealthier neighbor gets with lavish expenditure. You can change the scenery of your back yard every year with annuals.

Perennials are slower in blooming, but carry the advantage in that they do not have to be replanted year after year.

ANNUALS

Most plants can be divided into two classes, Annuals and Perennials. Annuals are one-year plants. The seed is sown; the plants bloom, produce seed and die the same year. Many of our prettiest garden flowers are annuals. They are inexpensive, give a wealth of bloom, are admirable for the rented

house garden, and are adaptable to most soils and climates.

Annual plants which have a suitable habit of growth and adequate foliage may be made to do duty about the house and on the grounds in the place of shrubs and perennials.

PRICES OF ALL FLOWER SEEDS ARE POSTPAID.

Acroclinium (Everlasting)

Height 18 inches.

A very pretty annual which produces white and rose pink flowers. If they are gathered the first day they are open, or in the bud state, and dried in some cool place they will keep throughout the winter. Fine for border planting. Mixed, pkt., 10c; White, pkt., 10c.



Snapdragon

Antirrhinum (Snapdragon)

Height 12 to 24 inches.

A very desirable flower for general garden culture. It is a valuable border plant. Flowers the first year. The bright color and peculiar form of the flowers always attract attention. They are useful for cutting and keep fresh a long time. From seed sown in the open ground in May, plants will bloom in July and August and then continually until frost.

Coral Red, Bright Red Color with White Throat. Pkt., 10c.
Queen of the North, Snow White. Pkt., 10c.
Tall mixed. Pkt., 10c.
Dwarf mixed. Pkt., 10c.

Ageratum Mexicanum

Height 12 inches.

For strengthening the garden's color forces in blue, no annual is as good as the Ageratum. They grow well upon almost any soil and in any climate. The plants are bushy, erect, and produce clusters of pretty brush-like flowers throughout the season. They make fine borders. Pkt., 10c.

Alyssum

Height 6 to 12 inches.

This plant is used for borders, edgings, baskets, pots, rock-work, and for cutting. For borders the seed should be sown thickly so as to form masses. Alyssum can be increased from cuttings made from strong new side shoots as well as by division of the roots.

DWARF (Carpet of Snow.) Very small, with pretty white flowers. When in bloom it resembles a white mat. Blooms all summer and fall. Pkt., 10c; oz., 30c.

SWEET ALYSSUM—Standard variety for borders, window boxes, masses, etc. It is of trailing habit, bearing many fragrant white flowers. Pkt., 10c; oz., 25c.

Amaranthus

Two to five feet.

These robust annuals are grown for their brilliantly colored foliage. They grow very tall and are very effective and showy garden plants, adapted for centers and backgrounds of flower beds.

CAUDATUS (Love Lies Bleeding.) Has long drooping red spikes. Pkt., 10c.

TRICOLOR (Joseph's Coat.) The inner foliage is black and bronze, tipped with green, and the outer foliage is bright red and yellow. This plant is very attractive. Pkt., 10c.

CRUENTUS—Bears dark red feathery flowers. Very hardy.

Asperula Azurea Setosa

Height 9 inches.

A flower finely adapted for bouquets by reason of its shape, size and delicate colors, which are light blue or lavender. It is a hardy annual, blooming from July until after frost. This plant is very effective when grown in masses. Pkt., 10c.

Asters



BARTELDSES
GIANT
ASTERS



The aster is one of the most satisfactory of the annual flowering plants. It has a great variety of size and color and its season of bloom makes it valuable for cut flowers. The dwarf varieties lend themselves to close planting for cut flowers, while the tall varieties are well adapted where careless effects are desired.

BARTELDSES GIANT ASTER

Without question the finest Aster we have ever grown. It combines the Crego Ostrich Feather type of flower with the robust habit of growth and length of stem of the beauty type. Stands up well as cut flowers. Their immense size, their beauty and their long, sturdy stems will give them the first place among Asters. Mixed colors, pkt., 20c, postpaid.

VICTORIA ASTERS

An excellent variety for beds and borders, reach a height of about 18 inches, are pyramidal in form. A free bloomer, very hardy and adapts itself to almost any soil. Finest mixed, Pkt., 10c.

TRUFFAUT'S PEONY FLOWERED

An old standard variety which is still very popular. Petals are incurved which gives the blossoms a true ball shape. They grow to be about 2 feet high and bloom in midsummer. We have this in mixed colors. Pkt., 10c.

GIANT CREGO

These flowers are of immense size and borne on long stems. This was developed in America and is truly a beauty. The appearance of Chrysanthemums. The plants reach a height of 30 inches and bear an abundance of flowers during August and September.

Pink, White, Lavender, Blue, Red, Purple, Mixed. all 10c per pkt.

QUEEN OF THE MARKET ASTERS

One of the best early varieties which blooms at least two weeks before the other varieties. The flowers are large, double and borne on long stems. We offer this variety in mixed colors at 10c per pkt.

QUILLED ASTERS

One of the Japanese Needle type and entirely distinct from other varieties. Plants grow about 20 inches high and bear an abundance of flowers on long stems. A very free bloomer. Pkt., 10c.

COMET OR BRANCHING ASTERS

A medium tall variety which is excellent for cutting. The flowers are very large, petals long twisted and wavy, making a very graceful Chrysanthemum-like flower. Mixed colors. Pkt., 10c.

GOOD MIXED ASTERS

This splendid mixture is unequalled for an assortment of kinds and colors. They are selected from the choicest varieties and even the most critical will be satisfied with this collection. Pkt., 10c.

Balsam (Lady Slipper)

Height, 2 feet.

A very old garden flower which has been greatly improved in the last few years. The flowers are of brilliant colors and are produced in great profusion. May be classed as tender annuals and should be started in-doors in April or sown outdoors in May. Double Mixed. Double White. Double Camellia-Flowered (fine), all 10c per Pkt.

PLANTS SUITABLE FOR BORDERS AND EDGINGS

FLOWER	SEASON OF BLOOM	ANNUAL OR PERENNIAL
Ageratum	June to frost	Annual
Alyssum	May to frost	Annual
Bellis Perennis	April-July	Half Hardy Perennial
Marigold (Dwf. Sort)	June to frost	Annual
Myosotis	April-July	Biennial
Zinnia (Dwf. Sorts)	June to frost	Annual

Bachelor's Button (Centaurea Cyanus)

(2 feet)

Also called Cornflower, Ragged Sailor and Blue Bottle. They will adapt themselves to almost any situation. Excellent for cutting and are well known. It seeds itself so that it is practically perennial in habit. Pkt., 10c.

Brachycome

(6 inches)

A delicate dwarf-growing plant suitable for growing in masses, edging and rustic baskets. Flowers are of various shades of blue, lilac and white with dark and white centers. Pkt., 10c.

Burning Bush or Summer Cypress

(Kochia Trichophylla)

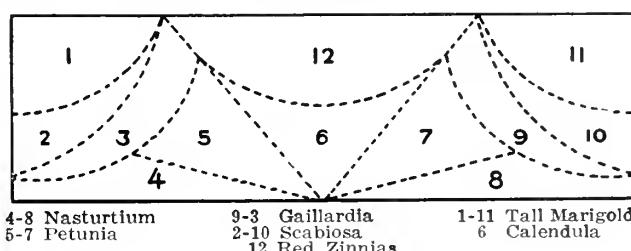
One of the most satisfactory plants for annual hedges. When sown thinly so that each plant can develop it makes a beautiful symmetrical plant. Remains green all summer and turns deep red in the fall. Pkt., 10c.

Calacia Coccinea (Tassel Flower)

(1 foot)

A pretty annual with flowers of bright scarlet and orange, borne in clusters on slender stalks about a foot in length. They keep in bloom from early summer until autumn, furnishing flowers for cutting every day. Pkt., 10c.

An Annual Border



Calendula Officinalis (Pot Marigold) (18 inches)

This splendid variety has large double flowers beautifully imbricated resembling in form and size the finest aster. Each petal of pale straw color is regularly marked with a stripe of bright deep orange. Blooms profusely with a succession of flowers from July till frost. Pkt., 10c.

Candytuft (1 foot)

A popular annual of easy culture. The plants are about a foot high and very bushy. The flowers are of various colors and equally adapted for borders, masses and cut flowers. The white flowers are very fragrant. White, Pkt., 10c; Dwarf Tom Thumb mixed, Pkt., 10c; Many colors, mixed, Pkt., 10c.

Calliopsis (Coreopsis) Height 2 feet.

One of the garden's great forces in yellows, strengthened with rich maroons and browns. Seeds of the calliopsis should be sown in the open in May, and will then produce an abundance of flowers from August until frost. All are fine for cutting. Pkt., 10c.

Canna (3 feet)

Cannas are usually grown from bulbs but are very easily grown from seed. Some fine varieties are developed by planting the seed. Pkt., 10c. (For Canna Bulbs see under Bulb Section.)

Carnation (18 inches.)

This beautiful and well known flower produces a finer bloom when grown from seed than grown from cuttings taken from old plants. Our seed will produce a fine variety of colors, with flowers of good size and substance.

MARGUERITE CARNATION—The most popular variety for the amateur. Flowers in a few weeks from the time of sowing and produces beautifully fringed and wonderfully fragrant flowers. With a slight covering they will survive an ordinary winter and bloom again in the spring. Pkt., 10c.

Castor Bean (6 to 10 feet)

A luxuriant expansive foliage plant, of tropical appearance that should have a place in every garden affording the requisite space. The stalks of the plants are brownish red, the leaves are very large, palmate and strikingly elegant.

SANGUINEUS—Large red. Pkt., 10c; oz., 15c.

ZANZIBARIENSIS — A giant variety introduced from New Zanzibar. Pkt., 10c; oz., 20c.

Celosia Chrysantheflora (5 feet)

This giant Cockscomb is attracting a lot of attention and making a big hit whenever shown. The heads are immense, measuring 10 inches and over in diameter. The flowers are of velvety texture and of rich colors of Red, Yellow, Orange, White, Light Blue, Mauve, and all shades in between. They retain their color after being cut and dried and make splendid bouquets. They grow very irregular and should be used for backgrounds and given plenty of room. Pkt., 20c; three for 50c; postpaid.

Cockscomb (Celosia) (2½ feet)

Highly ornamental plants, producing crested heads of flowers somewhat resembling a cock's comb. There are many colors and shapes, but the scarlet and crimson ones are the most brilliant and rich. The oftener they are transplanted or shifted, the larger and more beautiful they grow. Blossoms in August and September.

GIANT EMPRESS COCKSCOMB. Flowers of enormous size, sometimes as large as 10 inches in diameter. Sure to attract attention wherever grown. Pkt., 10c.

FEATHERED COCKSCOMB. Flowers look like graceful plumes of brilliant colors. Pkt., 10c. Dwarf Mixed, Pkt., 10c. Tall Mixed, Pkt., 10c.

Centaurea (1½ to 2 feet)

CENTAUREA CANDIDISSIMA (Dusty Miller). Fine foliage plants for bedding, baskets, pots and borders. The leaves are silvery white making a fine border for a bed of Salvia. Pkt., 10c.

CENTAUREA IMPERIALIS (Royal Sweet Sultan.) One of the finest of the Sweet Sultans. The beautiful, sweet-scented flowers are borne on long stems and will keep a long while. Pkt., 10c.



Cosmos (3 to 4 feet.)

Cosmos is now one of the notable fall flowers. It is a strong, tall growing annual, yet its bright bold flowers have daintiness and airiness which is heightened in effect by the feathery green foliage. It is most effective when planted in masses or background borders against fences.

EARLY FLOWERING.
Mixed. Pkt., 10c.

LATE FLOWERING in white, pink, crimson, yellow and mixed. Pkt., 10c.

DOUBLE OR CRESTED COSMOS

These double crested flowers are a decided improvement over the single flowers and are just as easily grown. Pkt., 15c.

Chrysanthemums

EARLY ANNUAL CHRYSANTHEMUM. A beautiful double variety of easy culture. The seeds may be sown in the house and then transplanted outdoors or may be sown just where they are to bloom.

A little shade in the afternoon is beneficial and if the plants are pinched back until July 15th they will be more branching. Pkt., 10c.

Cleome

(Rocky Mountain Bee Plant or Spider Plant)
(3 feet)

Spikes of rose-pink flowers, which on account of their long wiry stamens resemble the spider. Hardy, and are excellent for tall borders, since they reach a height of 3 to 4 feet. Pkt., 10c; oz., 15c.

Eschscholtzia (California Poppy) (1 foot)

The state flower of California and one of the most attractive annuals for bed edging or masses. The finely cut foliage with the mass of bright colored flowers makes a most beautiful sight. They bloom from June until frost. Pkt., 10c.

Four O'Clock (3 feet)

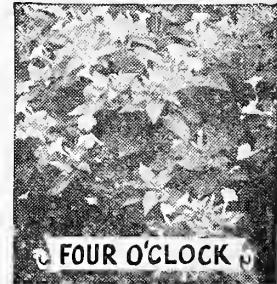
Marvel of Peru or Mirabilis Jalapa

The plant is quick-growing, erect and bushy. It blooms during the late summer and autumn. It derives its name from its habit of opening its flowers only late in the afternoon and on cloudy days. Pkt., 10c; oz., 15c.

Everlasting Flowers

(18 inches)

A fine mixture of many of the straw-flowered varieties. These are excellent for winter bouquets as they will retain their color all winter. Pkt., 10c.



Godetia (18 inches)

Also called Evening Primrose. They are free-blooming annuals suited for solid beds, border lines, and to grow shrubby borders in shaded places, where few other flowers will flourish. Blooming season is from May until frost. Pkt., 10c.

Globe Amaranth (Gomphrena Globosa) (10 inches)

A good bedding plant. The flowers resemble clover blossoms, are of purplish-red, white and striped colors. They are desirable for winter bouquets when cut in full bloom and dried in a cool shady place. Pkt., 10c.

Gypsophila (1 foot)

Small white, and pink fairy-like flowers, borne on long feathery stems. No flower adds more light and grace to a bouquet than this. Blooms from first of July till frost, and are desirable for winter bouquets.

ELEGANS PINK. This delicate rose-pink flower makes a beautiful border. Pkt., 10c.

Helianthus or Sunflower (3 to 5 feet)

These new ornamental sunflowers are excellent for garden planting, for screening unsightly places and also for bouquets.

HELIANTHUS GLOBOSUS (Double). Flowers are large, double and of rich saffron color. Pkt., 10c; oz., 20c.

Have a *Conkey corner* in your Poultry House



Ready for
Emergency



Raising poultry is pleasant and profitable when "good luck" is with you. Good luck, however, is not merely a matter of chance, but of BEING PREPARED. For more than twenty-five years Conkey has been THE POULTRY DOCTOR. Take his advice. Install a Conkey Corner of remedies in your poultry house as insurance against disease, trouble, loss and disappointment.



Your money refunded if any Conkey remedy does not satisfy. CONKEY'S POULTRY BOOK FREE if you call at our store, or mailed for 4 cents in stamps.

Conkeys OLD RELIABLE POWDER

(Formerly Conkeys Roup Remedy)

This famous treatment has been on the market for thirty years, known to poultrymen everywhere as Conkeys Roup Remedy. Many would not try to keep poultry without Conkeys—the Old Reliable. Easily given in the drinking water letting the birds help themselves. Keep it on hand for use in emergency or put it in drinking fountains on cold rainy days or when there is a sudden change in weather. In mild doses it acts as a tonic.

EASTERN PRICES—Pkgs., 25c, 50c, \$1.00; 1½ lb. can, \$2.35, all postpaid; 5 lb. can, \$5.50; \$6.75 postpaid.

WEST OF ROCKIES—Pkgs., 30c, 60c, \$1.20; 1½ lb. can, \$2.50, all postpaid; 5 lb. can, \$5.75; \$6.00 postpaid.

CONKEYS POULTRY PILLS

(Formerly called Conkeys Roup Pills)

Administer these pills twice daily, in extreme cases three times a day.

EASTERN PRICES—Pkgs., 25c, 50c, \$1.00 (all postpaid); breeder size (1,000 Pills), \$2.75; \$3.00 postpaid.

WEST OF ROCKIES—Pkgs. 30c, 60c, \$1.20; all postpaid; breeder size (1,000 Pills), \$3.00; \$3.25 postpaid.



Conkeys BALMO

(Formerly called Conkeys Canker Special)



A soothing cooling application for relieving irritation around the swollen eyes and head and in the mouth when treating conditions caused by colds and similar troubles.

EASTERN PRICES—Pkg. 50c, pint \$1.20, quart \$2.00, gallon \$7.00.

WEST OF ROCKIES—Pkg. 60c, pint \$1.55, quart \$2.50, gallon \$8.00. Small size prepaid, other sizes express collect.

Conkeys LICE POWDER

(Contains Sodium Fluoride)

For dusting hens, nests, growing chicks and for use wherever body lice must be overcome. **PRICES**—Pkgs., 35c, 75c; pails, 12 lb., \$2.60; 25 lb., \$5.00. Parcel post, express or freight extra.

CONKEYS MITE LIQUID

For painting roosts, fittings, the inside of house, nest boxes, etc. **PRICES**—Cans, qt., 60c; 2-qt., 90c; gallon, \$1.50; 5 gal., \$7.00. Parcel post, express or freight extra.

CONKEYS HEAD LICE OINTMENT

For overcoming and preventing the murderous head louse which causes loss of so many hen-hatched chicks. **PRICES**—Pkgs., 10c, 25c; or 15c, 30c, postpaid.

Conkeys FLY KNOCKER (For Horses and Cattle)

Dairymen, horsemen, cattlemen and sheep raisers declare this to be the best investment they make—animals free from insects do better in milk and butter fat production. Growing stock fattens faster when relieved from disease-spreading insects.

Conkeys is not a "cheap" product when the price is compared with inferior imitations, but many declare it to be very economical because of its superior lasting qualities. We sell Conkeys Fly Knocker on this guarantee:

Buy a can, try it for 15 days, then if you are not satisfied we will refund your money.

EASTERN PRICES—Cans, qt. 60c; 2 qt. 90c; gal. \$1.50; 5 gal. \$7.25; 10 gal. \$14.00. Parcel post, express or freight charges extra.

WEST OF ROCKIES—Cans, qt. 80c; 2 qt. \$1.35; gal. \$2.00; 5 gal. \$9.00; 10 gal. \$17.00. Parcel post, express or freight charges extra.



DONT BREAK THE CONKEY CHAIN

The Barteldes Seed Co., Lawrence, Kansas

When ordering any remedy by mail always send postpaid prices.

Conkeys DIATEX



The Most Critical Time with Baby Chicks

It is during the first few weeks—particularly the first three or four—that diarrhetic troubles cause the greatest loss. Why not be prepared? Keep a supply of Conkeys Diatex Tablets (formerly called White Diarrhea Remedy) on your Conkey Remedy shelf at all times. They are also good to give to growing stock or adult birds as an intestinal astringent.

EASTERN PRICES—Pkgs., 25c, 50c, \$1.00, all postpaid; breeder size (950 tablets), \$3.75; \$3.85 postpaid.

WEST OF ROCKIES—Pkgs., 30c, 60c, \$1.20, all postpaid; breeder size (950 tablets), \$4.00; \$4.10 postpaid.

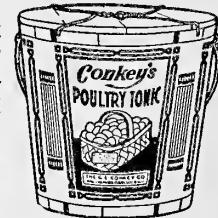


Conkeys POULTRY TONIC

Every bird from chick to maturity will be more productive, healthier and more profitable if given a good tonic and regulator. Conkeys Poultry Tonic helps birds get more out of their feed. They produce more eggs and better flesh on LESS FEED, by better digestion and assimilation. Conkeys Tonic is all medicine-free from filler, red pepper and "hot stuff." Keeps the young chicks growing, makes molting easy, strengthens the bird for bad weather and generally maintains a high health average.

EASTERN PRICES—Pkgs., 1½ lbs. 25c; 3¼ lbs. 50c; 7 lbs. \$1.00; pails, 12 lbs., \$1.60; 25 lbs. \$3.00; bags, 50 lbs. \$5.00; 100 lbs. \$9.50. Parcel post, express or freight charges extra.

WEST OF ROCKIES—Pkgs., 1½ lbs. 30c; 3¼ lbs. 60c; 7 lbs. \$1.20; pails, 12 lbs. \$2.25; 25 lbs. \$3.75; bags, 50 lbs. \$7.00; 100 lbs. \$13.00. Parcel post, express or freight charges extra.



Conkeys SALVO

(Formerly called Sorehead Remedy)



For dangerous, contagious sorehead or chicken pox, pigeon pox, warts and pain.

Good to have on hand for treating sores, cuts and wounds of any description.

PRICES—Pkgs., 25c, 50c; or 30c, 60c, postpaid.

Conkeys Poultry Worm Remedy

(For Large Round Worms)

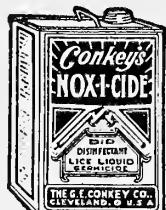


Over 90 per cent of market poultry are infested with worms, of which there are many varieties—Round Worms, Gizzard and Caecal Worms and Flukes or Leaf Worms. Worms cause great loss and flocks should be treated regularly. See directions on packages of Conkeys Worm Remedy.

PRICES—Pkgs. 25c, 50c; or 30c, 55c, postpaid; breeder size (5 lbs.), \$2.75, \$2.85 postpaid.

WEST OR ROCKIES—Pkgs. 30c, 60c; or 85c, 65c postpaid; breeder size, \$2.75; or \$2.85 postpaid.

Conkeys NOX-I-CIDE DIP AND DISINFECTANT



Every poultry yard, farm, home, factory, stable, store, office building—in fact, every place where sanitation is necessary to health—needs Conkeys Nox-i-cide every day in the year.

For poultrymen Conkeys Nox-i-cide has a large variety of use as a disinfectant and germicide. It is approved by poultry experts everywhere.

For spraying during the "weekly clean-up," as a preventive of disease and a help in keeping down red mites, ticks, blue bugs, etc., Conkeys Nox-i-cide is practically unexcelled. In fact, some poultrymen declare it to be indispensable, since proper sanitary conditions are the very foundation of successful poultry operation. In addition, Conkeys Nox-i-cide is very effective for washing incubators, brooders, fountains and other utensils.

EASTERN PRICES—Pint 50c; Quart 80c; ½ Gallon \$1.30; Gallon \$2.00; 5 Gallons \$9.25; 10 Gallons \$17.75. Parcel post, express or freight charges extra.

WEST OF ROCKIES—Pint 60c; Quart 90c; ½ Gallon \$1.50; Gallon \$2.25; 5 Gallons \$10.50; 10 Gallons \$19.00. Parcel post, express or freight charges extra.

Conkeys Nox-i-cide is also widely used and highly recommended as a dip for hogs, sheep, cattle and other animals. Swine owners are generous in their praise of Conkeys Nox-i-cide for fighting hog lice, both as a dip and as a disinfectant for wallows, houses and general use.

Try Conkeys Nox-i-cide for household uses—for assisting in driving out ants, destroying odors, routing out bedbugs and cockroaches, for making sinks, cess-pools, garbage containers, etc., sanitary and safe.

A money-back guarantee covers Conkeys Nox-i-cide as well as all other Conkey products. Take a can home and if you are not satisfied we will refund your money.

DONT BREAK THE CONKEY CHAIN



The Barteldes Seed Co.



"PINK LIST"

TERMS- CASH WITH ORDER

PRICES ARE LOW. BUY NOW.

The Barteldes Seed Co. gives no warranty, express or implied, as to purity, description, quality, productiveness or any other matter of any seeds, bulbs, plants they send out and will not be in any way responsible for the crop.

Today's prices including sacks, but not freight, express or parcels post charges, which must be paid by the customer. These prices are subject to market fluctuations, but do not hesitate to send in your order. If prices have changed you will be notified and in all cases you will get full value for your money. If the list you have is old, please send for a new one.

Order our SUNFLOWER BRAND and you will get the best seed to be had.

The only genuine "Sunflower Brand" of field seeds is put out by The Barteldes Seed Co. Be sure that our name is on

ALFALFA Kansas (U. S. Verified)

	Bu.	100 lbs
Sunflower Grade	\$ 9.00	\$15.00
Fancy	8.40	14.00
Choice	7.50	12.50

GRIMM ALFALFA

Grimm Alfalfa	15.60	26.00
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BIENNIAL SWEET CLOVER

Hulled and Scarlied

White Blossom, Sun-flower	\$ 4.20	\$ 7.00
White Blossom, Fancy	3.90	6.50
White Blossom, Choice	3.60	6.00
Yellow Blossom, Fancy	4.50	7.50

CLOVERS

Red Clover, Sunflower	\$11.70	\$19.50
Red Clover, Fancy	10.80	18.00
Red Clover, Choice	9.60	16.00
Mammoth Clover, Sun-flower	12.30	20.50
White Clover, Sunflower	29.40	49.00
White Clover, Fancy	28.20	47.00
White Clover, Choice	26.40	44.00
Alsike Clover, Sunflower	11.10	18.50
Alsike Clover, Fancy	10.50	17.50
Alsike Clover, Choice	9.90	16.50
Burr Clover	-----	20.00
Crimson Clover	-----	18.00
Common Lespedeza or Japan Clover	-----	12.00
Korean Lespedeza	-----	14.50

MILLETS

	Bu.	100 lb
German Millet, Sunflower	\$1.60	\$3.20
German Millet, Fancy	1.50	3.00
German Millet, Choice	1.40	2.80
Siberian Millet, Fancy	1.60	3.20
Siberian Millet, Choice	1.50	3.00
Common Millet, Fancy	1.30	2.60
Hog or Broom Corn Millet	1.25	2.50
White Wonder Millet	1.50	3.00
Pearl Millet	-----	17.00
Japanese Millet	-----	3.25

KENTUCKY BLUE GRASS

Sunflower Grade	1 lb--30c; 5 lbs--\$1.25; 10 lbs--\$2.00
100 lbs	\$17.00

GRASS SEEDS

	Per 100 lbs
Red Top, Sunflower	\$13.00
Red Top, Fancy	12.00
Orchard Grass, Sunflower	11.00
Orchard Grass, Fancy	10.00
Orchard Grass, Choice	9.00
Timothy, Sunflower	7.00
Timothy, Fancy	6.50
Timothy, Choice	6.00

English Blue Grass or Meadow Fescue:	Per 100 lbs.
Sunflower	\$ 6.00
Fancy	5.50
Rhodes Grass	50.00
Johnson Grass (not in Kansas)	10.00
Tall Meadow Oat Grass	23.00
Native Rye Grass	6.00
Italian Rye Grass	15.00
Perennial Rye Grass	15.00
Brome Grass	16.00
Bermuda Grass, 35c per lb	---
Sudan Grass, Sunflower	3.50
Sudan Grass, Fancy	3.25
Sudan Grass, Choice	2.80

SUNFLOWER MIXED LAWN GRASS

1 lb 30c; 10 lbs \$2.50; 100 lbs \$20.00

SHADY NOOK LAWN GRASS

1 lb--40c; 5 lbs--\$1.85; 10 lbs--\$3.50

"QUICK GREEN" LAWN GRASS

3 lbs 75c; 5 lbs \$1.10; 10 lbs \$2.00
25 lbs or more--18c per lb

OATS, BARLEY, RYE

No. Per	10 bu. lbs bu.	Per bu.
Oats, Kanota	.65	.60
Rye, for seed	.56	.65
Barley, Six Row	.48	1.00
Barley, White Hulless	.48	3.00
Spelts or Emmer	.40	2.60

PEAS AND BEANS

	Bu.
Cow Peas, New Era	1.75
Cow Peas, Whippoorwill	1.65
Cow Peas, Black Eye	---
Soy Beans, Early Yellow	ASK FOR PRICES
Soy Beans, A K	---
Soy Beans, Midwest	PRICES
Soy Beans, Manchu	---
Soy Beans, Black Wilson	LATER
Soy Beans, Virginia	---
White Field Peas	3.60

KAFFIR, SORGHUM AND BROOM CORN

	100 lb
Grohoma	\$6.50
Kaffir Corn, White	1.60
Kaffir Corn, Red	1.75
Kaffir Corn, Pink	1.75
Kaffir, Dwarf Black Hull White	1.60
Hegari	1.75
Milo Maize, Dwarf Yellow	1.60
Feterita	1.75
Shallu or Egyptian Wheat	5.00
Cane, Red Top for fodder	1.60
Cane, Orange select	2.50
Cane, Orange for fodder	1.60
Cane, Amber for fodder	1.60
Cane, Mixed fodder	1.50
Broom Corn, Evergreen	4.50
Broom Corn, Black Japanese	4.50

ONION SETS

	Per bu.
Yellow	\$2.75
Red	2.75
White	3.00

T-N-T POP CORN FOR SEED

20c ----- per pound

SEED CORN

If wanted graded, add 10c per Peck and 25c per Bushel

Peck Bu.

	Peck	Bu.
Hybrid or Cross-Bre	\$2.25	\$7.50
Kaw Chief	.55	1.60
Pride of Saline	.50	1.45
Pri'e of the North	.60	1.75
Improved Leaming	.50	1.45
Iowa Gold Mine	.55	1.60
Reid's Yel'ow Dent	.50	1.45
Iowa Silver Mine	.50	1.45
Boone County White	.50	1.45
Blaady Butcher	.60	1.75
Hickory King	.70	2.25
Squaw Corn	.70	2.25
Calico	.60	1.75

MISCELLANEOUS FIELD SEEDS

100 lbs

	100 lbs
Buckwheat, Japanese	\$4.25
Buckwheat, Silverhul'd	4.25
Flax Seed, No. 1	4.75
Peanuts, White	11.00
Peanuts, Spanish	9.00
Peanuts, Tennessee Red	12.00
Rape, Dwarf Essex	6.00
Russian Sunflower	6.00
Sand Vetch	13.00
Spring Vetch	10.00

POULTRY SUPPLIES

Barteldes Sunflower Chick Feed

25 lb--40c; 50 lb--70c; 100 lb--\$1.25

100 lbs

	\$2.75
Charcoal, course or fine	\$2.75
Crysclo Grit, fine	1.10
Crysclo Grit, medium	1.10
Meat Scraps, coarse	3.00
Oyster Shell, Medium	1.10
Kaffir for feed	1.25
Peat Moss or Poultry Litter	3.25

BLATCHFORD'S CALF MEAL

25 lbs-----\$1.10; 100 lbs-----\$4.00

BLATCHFORD'S EGG MASH

25 lb -----50c; 100 lb -----\$1.75

CONKEY'S BUTTERMILK STARTING FEED WITH Y-O

5 lb--25c; 10 lb--40c; 25 lb--85c

100 lb ----- \$3.20

CONKEY'S ALL MASH CHICK RATION WITH Y-O

100 lb. ----- \$2.90

GECCO GROWING MASH WITH Y-O

25 lbs-----70c; 100 lbs ----- \$2.60

GECCO EGG MASH

25 lbs-----65c; 100 lbs-----\$2.25

The Barteldes Seed Co., Lawrence, Kansas



These chicks weighed two pounds at just seven weeks and five days. They were raised by Mrs. Dana Leighty of Galesburg, Illinois, and were fed Conkeys Buttermilk Starting Feed with Y-O.

Give Your Chicks *Conkeys* (the Original) Buttermilk Starting Feed with Y-O

THE amount of Conkeys Starting Feed with Y-O you need for the first six weeks is so small—less than two pounds per chick—it doesn't pay to try to economize by using a "cheap" feed. In Conkeys Buttermilk Starting Feed with Y-O you secure the acme of perfection. Every element necessary for baby chicks, life, health and development is in this feed. Not only the proper food nutrients but the all-important A, B and D vitamins, too.

The potency of vitamins A, B and D in Conkeys Y-O makes possible and profitable the rearing of chicks in total absence of sunlight—no danger of leg weakness (rickets) caused by a lack of vitamins. Feed Conkeys and raise practically all your chicks; feed it for quick, safe and maximum profit.

ANALYSIS:—Protein 16.00%, Fat 5.50%, Fiber 5.50%, N. F. E. 53.00%, Carbohydrates 58.50%.

INGREDIENTS:—Buttermilk, Corn Meal, Corn Feed Meal, Pulverized Oats, Wheat Middlings with Ground Wheat Screenings not exceeding mill run, Dried Skimmed Milk, Soybean Oil Meal, 1% Steamed Bone Meal, Blood Flour, Meat and Bone Scrap, Crude Milk Albumen, 3/4% Limestone (97% pure Calcium Carbonate) 1/2% Salt, Y-O (Cod Liver Oil, Yeast, Soybean Oil Meal, Wheat Middlings, Spanish Red Oxide of Iron).

Conkeys New All Mash Ration FOR BABY CHICKS

THE All Mash method of feeding baby chicks has been recommended by many authorities; especially among the ranks of state college specialists. Conkey has been studying and experimenting with this method for some time and through these studies, comparative experiments and tests has developed an All Mash Chick Ration which should satisfy the most enthusiastic All Mash feeders.

In fact, Conkey has been unable to discover any straight All Mash Ration which can do the job of growing and developing chicks as well as this new product—Conkeys All Mash Chick Ration with Buttermilk and Y-O. This mash has all the elements needed to carry chicks safely through their first few weeks—a very critical time. Being an All Mash formula, you do not need to feed any chick grains.

GOOD FOR BATTERY CHICKS

Conkeys New All Mash Chick Ration with Y-O is especially good for battery brooded chicks. The formula embraces a great variety of highly digestible proteins in proportions best suited to produce normal growth under the abnormal conditions experienced in storage brooding.

ANALYSIS:—Protein 16.00%, Fat 5.50%, Fiber 6.50%, N. F. E. 52.00%, Carbohydrates 58.50%.

INGREDIENTS:—Buttermilk, Corn Feed Meal, Wheat Middlings with Ground Wheat Screenings not exceeding mill run, Pulverized Oats, Crude Milk Albumen, Meat and Bone Scrap, Dried Skimmed Milk, 1% Steamed Bone Meal, Alfalfa Leaf Meal, Soybean Oil Meal, 3/4% Limestone (97% pure Calcium Carbonate) 1/2% Salt, Y-O (Cod Liver Oil, Yeast, Soybean Oil Meal, Wheat Middlings, Spanish Red Oxide of Iron).



DON'T BREAK THE CONKEY CHAIN

The Barteldes Seed Co., Lawrence, Kansas



**Vi-tal-ize
your
Feeds with
*Conkeys Y-O***

The Most Amazing Feed Discovery of Recent Years!

ONLY Conkey offers Conkeys Y-O, the wonderful vitamin food which holds vitamin A and D potency. It is a granular powder which is made by impregnating imported brewers' yeast with cod liver oil, which seals and holds for a long time the A and D vitamins of cod liver oil with vitamin B of brewers' yeast—a strictly Conkey patented process. Conkeys Y-O is far superior to plain cod liver oil which, when exposed to air, soon begins to oxidize and allows the vitamins (A and D) to escape. It is also easy to mix Y-O in any mash. It costs little to use—only 1½¢ to 3¢ per hen for thirty days.

Feed *Conkeys Y-O*

TO CHICKS, to reduce mortality, prevent rickets (leg weakness), speed up growth.

TO GROWING STOCK, to prevent rickets (leg weakness) develop feathers, grow big strong bones and hasten maturity.

TO PULETS, to complete development of sex organs, increase size of eggs laid, strengthen the shell and increase vitality and production.

TO HENS, to promote new feather growth, rebuild health and vitality, hasten their return to production, make egg shells stronger and increase fertility and hatchability—resulting in greater livability of chicks.

BUY A SIX MONTHS' SUPPLY

EASTERN PRICES—Pkgs., 1 lb. 50c; 2 lb. 90c; 5 lb. \$1.60; 25 lb. drum \$6.50; 50 lb. drum \$11.50; 100 lb. drum \$19.50; 100 lb. bag \$18.50.

WEST OF ROCKIES—Pkgs., 1 lb. 55c; 2 lb. \$1.00; 5 lb. \$1.85; 25 lb. drum \$7.50; 50 lb. drum \$14.00; 100 lb. drum \$22.50; 100 lb. bag \$21.50.

Conkeys Y-O for Rabbits, Foxes, Minks, Dogs and Cats

NO matter what you feed, you can now easily add to it those health, growth and life-giving elements that most feeds lack—Vitamins A, B and D. This granular Y-O powder is easy to mix with your regular feed.

Conkeys Y-O helps to improve the fur because it combines the virtues of highest cod liver oil, rich in A and D vitamins, with concentrated Marmite or brewers' yeast which is rich in B vitamins. In feeding fur-bearing animals the vitamin B is very important. Adult animals will make better gains on their regular ration when Conkeys Y-O is added. It will improve the development of the young and bring about a better growth of fur. It will not only give the young a better start but will help the mothers also. Used with breeders, in many cases, it increases the litter. In short, the vitamins in Y-O assist Nature to accomplish her object in reproducing and maintaining different specimens of the species.

Conkeys Y-O will hold its potency over a long period. Buy enough to last six months (only three to five per cent is all that is needed in the ration) and avail yourself of the saving that comes by buying in quantity lots.

NEW LOW PRICES ON RABBIT AND FOX Y-O

EASTERN PRICES—Pkgs., 1 lb. 50c; 2 lb. 90c; 5 lb. \$1.60; 25 lb. drum \$7.00; 50 lb. drum \$12.50; 100 lb. drum \$21.50; 100 lb. bag \$20.50.

WEST OF ROCKIES—Pkgs., 1 lb. 55c; 2 lb. \$1.00; 5 lb. \$1.85; 25 lb. drum \$8.00; 50 lb. drum \$15.00; 100 lb. drum \$24.50; 100 lb. bag \$23.50.



DONT BREAK THE CONKEY CHAIN



Larkspur

Red Sunflower

Horticulturists have been trying for years to get a Red Sunflower. They have not quite succeeded, but have come very near it. We offer a flower, the petals of which are red and tipped with yellow. This is a decided novelty, and will please you. Pkt., 10c; oz., 20c.

Helichrysum Monstrosum

(18 inches)

One of the best of the immortelles; good shape, size and a variety of desirable colors—yellow, sulphur, cream, white, pink, rose, red and crimson. Retain their natural shape when dried. Bloom from July until destroyed by frosts. Pkt., 10c.

Ice Plant

(Mesembryanthemum Crystallinum)

A dwarf plant of trailing habit, finely adapted for vases, rockery and old walls. The surface of the foliage is covered with particles resembling crystals of ice glistening in the sun, and form a curious and attractive display. Pkt., 10c.

Larkspur

(Delphinium Ajacis Annual)

The annual varieties include the rocket and hyacinth-flowered larkspurs, so called from their long narrow flower spikes. They bloom best in rather cool, moist soil. Tall mixed. Dwarf mixed. Pkt., 10c.

Linum Grandiflorum Rubrum

(Scarlet Flax) (18 inches)

A showy and effective bedding plant. The flowers are deep crimson with black centers and saucer-shaped. The foliage of the plant is delicate and slender. Pkt., 10c.

Job's Tears (Coix Lachrymae) (3 feet)

Curious ornamental grass from East Indies, with broad, cornlike leaves and seeds of a light slate color, wonderfully lustrous. Valuable for winter bouquets, and beads are sometimes strung from the seeds. Pkt., 10c.

Lobelia (6 inches)

An elegant and useful class of plants, of dwarf, compact growth, bearing a profusion of delicate flowers, in bloom through the summer and autumn. Make a neat and effective edging for geraniums and ornamental-leaved plants; pretty for baskets and vases and porch boxes. Colors are deep blue and blue marked with white. Pkt., 10c.

Marigold

The African and French Marigolds are among the most popular of free-flowering annuals of easy culture. The plant is of compact, symmetrical growth, handsome foliage, bears a profusion of flowers of brilliant shades of yellow, marked with maroon and brown. They are about one and one-half inches in diameter.

DWARF DOUBLE FRENCH. Pkt., 10c.

TALL DOUBLE AFRICAN. Pkt., 10c.

TALL ORANGE PRINCE. A new Marigold. Bears enormous orange-colored flowers of the quilled type. It is hardy, a free bloomer and a most satisfactory variety. Pkt., 10c.

LEMON BALL. Light yellow, ball shaped. 10c per Pkt.

Mignonette (Reseda Odorata)

Height 1 foot.

One of the best-known and most popular flowers, indispensable for the garden; is suited to almost any location and soil, furnishing fragrant blossoms continuously through the summer and until after severe frosts. This can also be grown in pots for winter flowering.

SWEET GRANDIFLORA. Large flowering, very fragrant. Pkt., 10c; oz., 20c.

GOLDEN QUEEN. Golden yellow color. Pkt., 10c; oz., 40c.

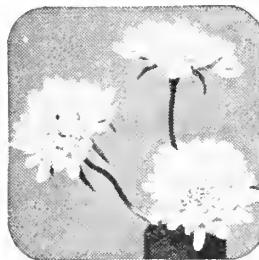
GIANT WHITE. Of tall pyramidal growth. Pkt., 10c; oz., 40c.

GIANT MATCHETT. Giant flowers used by florists. Pkt., 10c; oz., 40c.

Nemophila

(Height 1 foot)

This popular flower has secured a place in the heart of every lover of flowers. The plant is of dwarf spreading habit, and well adapted for pot or border culture. The flowers are exquisitely colored, blotched and spotted. Pkt., 10c.



Scabiosa

Mourning Bride (18 inches)

(Scabiosa Atropurpurea)

These hardy annuals show a great variation of color, and the long stems and keeping qualities of the blossoms make this one of the best annuals for bouquets. They are easily grown and are also desirable for beds and borders. Pkt., 10c.

Nicotiana Affinis

(2½ to 3 feet)

Belongs to the tobacco family and are very desirable border plants. The plants are in full flower every sunny day from June until frost. The blossoms are trumpet shaped, and are borne on tall stems in colors of blue, red and rose. Pkt., 10c.

Nicotiana Sanderae (2 feet)

A lovely hybrid of elegant branching habit, bearing rosy flowers on long graceful stems. The fragrance of these flowers is more delicate than that of the affinis. Pkt., 15c.

Nigella Damascena (2½ feet)

(Love-in-a-mist or Devil-in-the-Bush)

Plants are compact, with fine cut foliage, which blooms profusely. Flowers are curiously shaped, and their colors are blue and white. They are splendid for bouquets. Pkt., 10c.

Ornamental Grasses

These grasses are very useful for cutting when fresh, for summer bouquets, and are desirable for winter bouquets. Mixed varieties. Pkt., 10c.

NASTURTIUMS

Tall Nasturtiums

(Average height 5 feet)

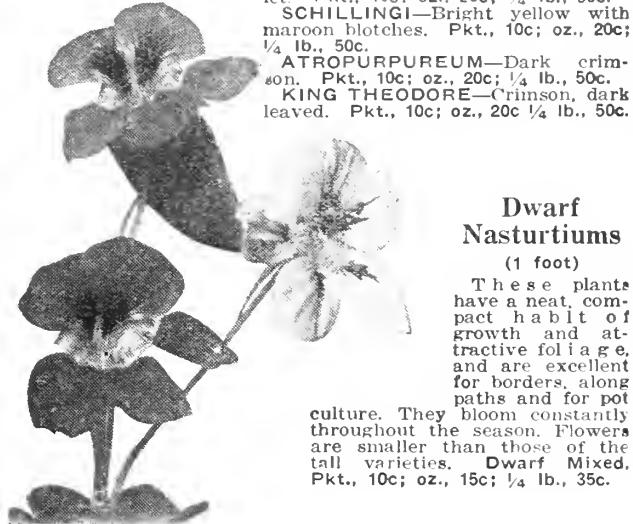
Besides their ordinary garden use for trailing over fences, trellises, stone walls, etc., the climbing nasturtiums can also be grown as pot plants for winter-flowering as screens, or as trailers for hanging baskets and vases. Tall Mixed, All Colors, Pkt., 10c; oz., 15c; ¼ lb., 35c.

Coccineum—Bright orange-scarlet. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Schillingi—Bright yellow with maroon blotches. Pkt., 10c; oz., 20c; ¼ lb., 50c.

Atropurpureum—Dark crimson. Pkt., 10c; oz., 20c; ¼ lb., 50c.

King Theodore—Crimson, dark leaved. Pkt., 10c; oz., 20c; ¼ lb., 50c.



Dwarf Nasturtiums (1 foot)

These plants have a neat, compact habit of growth and attractive foliage, and are excellent for borders, along paths and for pot culture. They bloom constantly throughout the season. Flowers are smaller than those of the tall varieties. Dwarf Mixed, Pkt., 10c; oz., 15c; ¼ lb., 35c.

Brilliant—A handsome scarlet. Pkt., 10c; oz., 20c; ¼ lb., 50c.

King Theodore—Maroon. Pkt., 10c; oz., 20c; ¼ lb., 50c. 20c; ¼ lb., 50c.

Lady Bird—Orange, yellow, red blotches. Pkt., 10c; oz., 20c; ¼ lb., 50c.

SPECIAL NASTURTIUM OFFER—Six packets of any Nasturtiums, your choice for 45c, or 5 one-ounce packets for 85c.



Pansies

Always a favorite with everyone, and too well known to need any description. The plant is a hardy biennial and will bloom the second year but as the flowers are not as large the second year it is better to resow each season. The seed may be sown in the fall or very early in the spring.

Barteldes Giant Market Pansies

This strain is the result of many years of careful breeding and selection. Flowers are of immense size, and very rich coloring. Plants are compact, healthy, round bushes which bear an abundance of giant blossoms. Pkt., 15c.

Trimardeau Pansies

A superior race of robust, deep-rooting plants bearing fine large flowers of great variety of colors. We have discarded all other separate colors of pansies for the Trimardeau strains for we know that they are most satisfactory.

White, with dark centers. **Black**, king of the blacks. **Yellow**, a beautiful clear color. **Blue**, Azure blue. **Purple**, deep, royal purple. **Bronze**, a fine golden bronze. Each of the above Trimardeau Pansies mixed, at 10c per packet or the entire collection of seven for 50c.

Sweet Scented Pansy

This is the result of a hybridization of the Pansy and the Sweet Violet. It retained the color and shape of the Pansy and also the sweet fragrance of the Violet. Flowers are of good size and beautifully colored. Pkt., 15c.

Orchid-Flowered Pansy

Unique among the giant-flowered class. The upper petals are upright and plaited resembling orchids. Colors are light, usually terra cotta, flesh, orange, rose pink and lilac. Pkt., 15c.

Good Mixed

A very good strain of all colors. Excellent for bedding. Pkt., 10c 1/4 oz., 50c; oz., \$1.25.

Petunias

Because of the ease and facility with which all of the single-flowered varieties of the Petunia can be grown from seed, this plant commands attention as a worthy candidate for the summer flower garden. They are attractive in beds and masses, serve well for broad borders or banks, and thrive in window boxes.

ROSY MORN—Very beautiful rose color. Pkt., 15c; 1/8 oz., 45c.

PINK GLORY—Pure flame rose pink. Flowers slightly ruffled. Pkt., 25c.

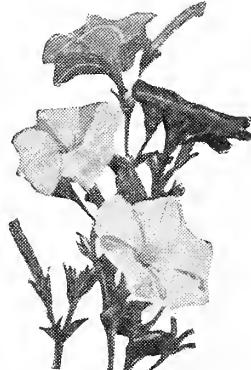
ROYAL PURPLE—Ruffled flowers are of rich velvety purple. Pkt., 25c.

SINGLE—Mixed. Pkt., 10c; 1/4 oz., 40c.

DOUBLE—Mixed. Saved from the choicest double flowers Pkt., 30c.

GIANTS OF CALIFORNIA—Produce immense blossoms. Pkt., 20c.

STRIPED AND BLOTTCHED, Mixed. Pkt., 10c; 1/8 oz., 30c; 1/4 oz., 50c.



Phlox Drummondi (1 foot)

The Phlox Drummondi is sometimes called the flame flower, and is very attractive when grown in masses. They are very easily grown, give a quick return of bloom and offer a large variety to choose from. They are also beautiful in beds and borders. The seed may be sown any time after danger of frost is past.

PHLOX ALBA—White. Pkt., 10c.

PHLOX, Star of Quedlinburg—Flowers are star-shaped, and very attractive. Pkt., 10c. Mixed Pkt., 10c; 1/4 oz., 40c; oz., \$1.40.

Pinks (Dianthus) (1 foot)

A popular class of flowers which should be used more generally in garden culture. The flowers are distinguished for their brilliant, contrasting variety of colors appearing in each

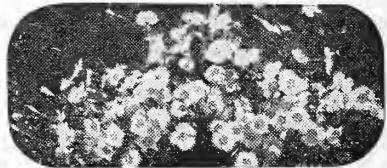
flower. Bloom constantly from July until frost and if covered will bloom again the second season.

CHINENSIS (Double China)—Mixed. Pkt., 10c; 1/4 oz., 20c.

LACINIATUS (Double Imperial)—Mixed. Pkt., 10c; 1/4 oz., 20c.

Poppies

An old-fashioned flower that has come back into popular favor. They bear so profusely and are of such brilliant colors that they are especially valuable for mass planting. The flowers should be picked just before they open and in the morning when the dew is on them. The annuals should be planted early in the spring and not transplanted but thinned to at least 4 inches apart.



SINGLE AND DOUBLE POPPIES—Mixed. A fine collection of all the best annual varieties. Plant these in a mass or row and you will get a beautiful effect. Pkt., 10c; oz., 20c.

SHIRLEY POPPY—Splendid strain of annual poppies of the greatest variety of colors. The flowers range from pure white to maroon with all intermediate shadings and all combinations imaginable. Of easy culture and free bloomers. Pkt., 10c.

Portulaca (Moss Rose or Sun Plant)

These trailing plants love the sun and stay close to the soil. The round flat flowers set close and brilliantly illuminate the emerald of the foliage with vivid shades of red, yellow, pink and white. Fine for massing in beds, edging, rockwork and frequently used to cover sunny banks. It is a good plan to mix the seed with three or four times as much sand or dry earth to get a better distribution in sowing. Single, mixed, Pkt., 10c. Double, mixed, Pkt., 15c.

Pyrethrum Aureum

A beautiful bedding plant with golden leaves, called Golden Feather. Pkt., 10c.



Salpiglossis

These are very showy bedding or border plants with richly colored funnel-shaped flowers which are borne on long graceful stems. The flowers are of purple-scarlet, yellow and blue. They are very desirable for cut flowers. The flowers resemble the Petunia in shape and each flower is veined with a glint of gold. Pkt., 10c.

Salvia

Salvia Splendens (2 1/2 feet)

The brightest and most popular of all bedding plants. The brilliant scarlet flowers are very striking against the dark green background of foliage. One of the most effective bedding plants. Pkt., 10c; 1/4 oz., 75c.

Schizanthus (18 inches)

A beautiful annual that should be in every garden. The flowers are so dainty that this is often called the Butterfly Flower. They come into bloom very quickly and are splendid for borders, gardens, and also for cut flowers. Pkt., 10c.

Sweet Sultan (Centaurea Moschata) (2 feet)

The flowers are exquisitely fringed, three to four inches across, borne on long stems and are very fragrant. For bouquets they are unexcelled and should be found in every garden. In bloom from July until October. Pkt., 10c.

Ten Weeks Stocks

(Cut and Come Again—*Cheiranthus Matthiola*) (1 to 2 feet)

These plants have all the desirable qualities of a flower. The flowers look like small rosettes, appear on long stalks, are exceedingly fragrant, and the flowers are of all colors. Pkt., 10c.

Verbenas

The verbena is one of the most popular bedding annuals. Easily grown from seed, and can be used in beds, borders, mounds, vases, rockwork and window boxes with good results. The flowers are of very bright colors and are produced profusely from June until frost. Either White, Pink, Purple, Red, Blue or Mixed. Pkt., 10c.



Verbena

ZINNIAS

The Zinnia is easily grown from seed sown in the open ground. Of late, great improvements have been wrought both in color and form of the flower. During the month of August Zinnias are at their best. To secure large flowers and a profusion of bloom the plants must be given ample room for full development, as well as an abundant supply of food. Strong rich soils suit the Zinnia. They can be used for masses, borders, garden lines and summer hedges. We consider the Zinnia the most satisfactory flower for the Middle West.

Barteldes Colossal Zinnia

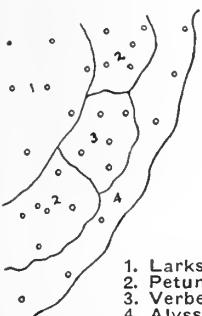
Flowers are of immense size and thickly set with velvety petals. Plants are healthy, vigorous, branching freely and make excellent material for masses or cutting. Red, White, Yellow, Pink or Mixed. Pkt., 10c; $\frac{1}{2}$ oz., 50c; oz., 85c, postpaid.

Zebra Zinnia

STRIPED—Like the Zebra and very attractive. Pkt., 10c.

Dahlia Flowered Zinnia

This is a new giant flowered type, the petals overlapping in such a manner as to give the blossoms the appearance of a decorative dahlia. The colors of this type are not so brilliant as the others but are soft shades of lavender, rose and old gold. They are very strong, vigorous growing plants, and bloom profusely throughout the summer. Red, Yellow, White, Pink or Mixed, Pkt., 10c; $\frac{1}{2}$ oz., 75c; oz., \$1.25.



Suggestions for Corner Plantings

Many an ugly corner can be made attractive all season long if the proper group annuals are planted.

This group is arranged for height, the tall Zinnias in the background with those not so high to the foreground.

You'll have blooms all summer if you follow this suggestion.

Pompon or Miniature Zinnias

A dainty and ornamental Zinnia which is very useful for borders. They stand transplanting readily and are fine for bedding in small gardens where tall plants spoil the effect. They come in all the beautiful shades of coloring of the tall Zinnias and the flowers are just as perfect in form. Pkt., 10c.

Double Mixed Zinnias

Extra double flowers, good producers. Pkt., 10c.

Victory Quilled Zinnia

The petals of these flowers are peculiarly quilled and twisted, giving the flowers a distinct appearance. The outside of the petals are of a coppery golden color and on the underside various shades of rose and lilac. The twisting of the petals reflects these colors in a pleasing manner. Pkt., 15c.

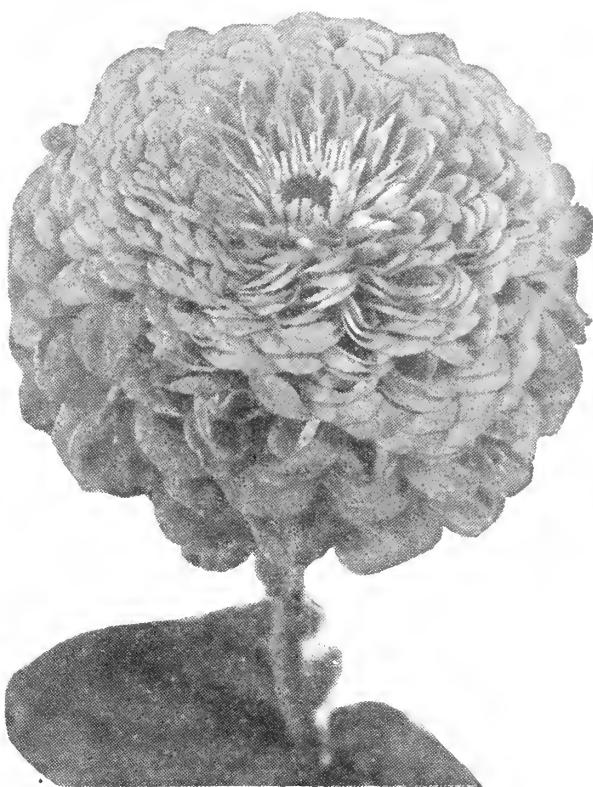
Chinese Woolflower

Height 2 feet

Although the Woolflower has been known for only a few years, it has become one of the most popular bedding annuals. The flowers resemble balls of tufted wool, and each plant looks like an arranged bouquet, because of the many blooms. From early summer until late fall there are countless flowers, which retain their beauty until frost arrives. We offer this in Red, Pink or Yellow. Please specify color. Pkt., 15c; 1 pkt. of each color, 40c.

Xeranthemum

One of the prettiest and most satisfactory of the everlasting flowers. Colors are of bright rose, purple, and white, are very showy in the garden and make fine winter bouquets. Will bloom from early summer until frost. Pkt., 10c.



Barteldes Dahlia-Flowered Zinnias

For Beds and Masses

Flower	Annual or Perennial	Bloom Season of
Asters	Annual	July-September
Begonias	Tender Perennial	May to September
Cockscomb	Annual	August to frost
Blanket Flowers	Annual	June till frost
Feverfew	Perennial	September till frost
Heliotrope	Perennial	May-September
Marigolds	Annuals	July to frost
Nasturtium	Annuals	July to frost
Pansies	Annual or Biennial	May to frost
Petunia	Annual	July to frost
Phlox Drummondii	Annual	July to frost
Salvia	Annual	July to frost
Verbena	Annual	August to frost

Raising Hardy Perennials From Seed

Hardy perennials are easily grown from seed. In many cases they are a little slower than annuals, but with care they are successfully raised from seed with much less expense than buying the plants. Many perennials, if sown early in the spring will bloom the first year from seed as freely as annuals. Others wait a year; that is, if sown this year they will bloom next year. Tender and half-hardy perennials are best sown in spring after frost is over, that is in May or June. Hardy perennials are sown in the late summer and early fall for next year's flowers.

PERENNIALS

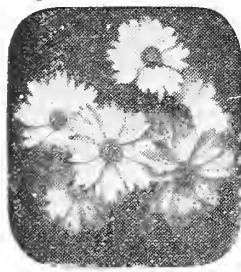


Agrostemma Coronaria (Rose Campion) (15 inches)

Blooms the first season from seed, producing pretty pink blossoms on long slender stems. Fine for both mass planting and bouquets. Pkt., 10c, Mixed.

Bellis Perennis (Double Daisy) (6 inches)

Charming little plants for edging and borders. The flowers are quilled and flat-petaled and come in white, red, pink and variegated. Not all will be double and the single ones should be pulled out. Tender Perennial.



Coreopsis

ROCKY MOUNTAIN COLUMBINE—Blue. Pkt., 10c.

LONGFELLOW—Pink, Pkt., 10c.

SNOWBALL—White, Pkt., 10c.

MIXED—Pkt., 10c.

Columbine (*Aquilegia Coerulea*) (1½ to 2 feet)

The state flower of Colorado. One of the most beautiful of flowers. The colors range from light to dark blue, depending on the altitude. We gather our seed in Colorado where it grows to perfection. Hardy perennial. We can also offer the Yellow variety.

YELLOW COLUMBINE, Pkt., 10c.

MIXED COLUMBINE, Pkt., 10c.

ROCKY MOUNTAIN COLUMBINE—Blue. Pkt., 10c.

Coreopsis (*Lanceolata*) (2 feet)

This is a rapid growing, hardy perennial that should be in every garden. The flowers are bright yellow, very attractive and fine for cut flowers. May be grown as an annual as it blooms the first year from seed. Pkt., 10c.

Campanula Media (Bell Flower) (1½ to 2 feet)

New uses for these old-time favorites are being found from time to time. The fine bell-shaped flowers are large enough to attract attention by themselves in a small place and small enough to find ready use as a filler among larger highly colored flowers. Pkt., 10c.

Delphinium Hybridum (Perennial Larkspur) (3 to 4 feet)

A popular, hardy perennial. Seed sown early in the spring will bloom in August. They are easy to grow and can be had in almost any color. The long graceful spikes of delicate shades are highly prized. Splendid for planting in groups in hardy borders and also in front of shrubbery.

DELPHINIUM FORMOSUM—Dark Blue.

DELPHINIUM BELLADONA—Light Blue.

MIXED—All pkt., 10c.

Dianthus Plumarius (1 foot)

The old fashioned June, Clove or Grass Pinks. Hardy. Fine for rock gardens, old fashioned gardens or perennial borders. Pkt., 10c.

Dahlia

Half Hardy Perennial

These well known flowers are commonly grown from the tubers but may also be grown from seed. Single Mixed, Pkt., 10c. Double, Mixed, Pkt., 10c.

Feverfew (*Matricaria Capensis*) (3 feet)

A very free flowering border plant, bearing masses of white or yellow flowers. Well adapted for bedding and cutting. Tender perennials. Pkt., 10c.

**"FIND PLEASURE IN A
FLOWER GARDEN"**



Foxglove (*Digitalis*) (3 to 5 feet)

A stately ornamental plant especially adapted for perennial borders and for planting among shrubbery. Flowers are of all colors, are bell or thimble-shaped, and borne in tall spikes. New plants may be obtained by dividing the roots. Hardy perennials. Pkt., 10c.

For-Get-Me-Not (*Myosotis Alpestris*) (6 to 8 inches)

Considered one of the best spring flowers and when grouped with pansies and daisies, the color combination obtained is truly wonderful. They grow best in moist soils. The flowers are blue. It is a perennial but should be given a slight protection in winter. Pkt., 10c.

Hollyhocks (5 feet)

One of the oldest garden favorites, and unsurpassed among the perennials for mass or clump planting, for planting among shrubs, or as a background. They require a deep rich soil. Hardy perennial. Double, in separate colors of white, pink, maroon, or mixed. Pkt., 10c.

Gaillardia (Blanket Flower) (1½ feet)

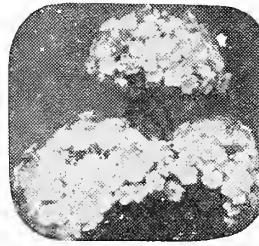
A splendid showy perennial, well adapted to mixed borders and are very satisfactory as cut flowers. The stems are of good length, carry the flowers well. They should be sown where they are to bloom. Pkt., 10c.

Iceland Poppy (*Papaver Nudicaule*) (1½ feet)

This plant is dwarf, neat habit forming a tuft of bluish green fern-like foliage. Blooms practically all summer with pretty cup-shaped flowers. Pkt., 10c.

Oriental Poppy (*Papaver Orientale*) (2 to 3 feet)

For brilliancy of color there is nothing that quite equals the Oriental Poppy. The flowers are of enormous size, often 6 inches in diameter and the colors range from soft pink to dazzling scarlet and deep maroon. Especially adapted to mass planting and in hardy borders with shrubs and other perennials. Pkt., 10c.



Perennial Phlox

For permanent beds in the garden, and borders. Bear immense flowers. Pkt., 10c.

Mimulus (Monkey Flower) (1½ feet)

Showy little plants, with peculiarly and brilliantly colored flowers. Tender perennial blooming the first year from spring sown seed. Excellent for baskets or cutting. Pkt., 10c.

Pyrethrum Roseum (Insect Powder Plant) (2 feet)

These are valuable, hardy, herbaceous garden plants with large single or double flowers, measuring 3 to 4 inches across. The colors are rose, pink, white, and crimson, borne on long stems, and bloom continuously for a long period. Pkt., 10c.

Shasta Daisy (15 to 18 inches)

This ever popular hardy daisy can be used for a number of things. It will succeed most anywhere. Fine when planted in the old fashioned garden, and valuable as a cut flower. Pkt., 15c.

Stokesia Cyania (Cornflower Aster) (1½ to 2 feet)

We recommend this as one of the best among the hardy perennials. The plants grow to a height of about 20 inches and flower freely from early July until frost. The flowers resemble the Cornflower in shape but are much larger and of a beautiful lavender-blue color. They are beautiful in bouquets or hardy borders. Pkt., 10c.

Sweet William (Dianthus Barbatus)

(1 foot)

There is no need to describe this plant since it is so well known. It does not flower until the second year from seed, but this type commences blooming in early summer and continues to flower for several weeks. The flowers are produced in great profusion on large heads. Pkt., 10c.

Violet

Height 5 inches

No garden is complete without them. They bloom sooner than most other flowers and their fragrance is delightful. They will thrive in shady places and therefore can be planted where other plants will not do well. A violet bed around the foot of a big shade tree is very attractive. Pkt., 10c.

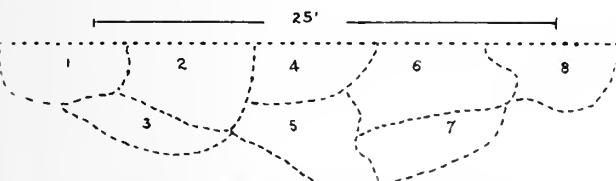
Vinca (Periwinkle or Old Maid)

(1 foot)

Tender, perennial bedding plant. It has glossy green leaves and pretty red and white flowers. They flower from seed the first season and if taken into the house before frost will bloom till winter. A fine cut flower as the buds open readily in water. Pkt., 10c.

Wallflower

A favorite garden flower. The long fragrant spikes are very beautiful in beds and borders and useful in making bouquets. The coloring runs mainly to rich yellow, orange and purple, and is oriental in effect. Double, Pkt., 15c. Single, Pkt., 10c. Fine for indoor culture.



A Perennial Border. (1) Iris. (2) Chrysanthemum. (3) Bellis Perennis. (4) Fox Glove. (5) Coreopsis. (6) Larkspur. (7) Blanket Flower. (8) Shasta Daisy.

ANNUAL CLIMBERS

BALSAM APPLE AND PEAR—A very unusual vine with ornamental foliage with curiously shaped golden yellow fruit which opens when ripe and shows the seed and the blood-red interior. Excellent for trellises, rockwork or stumps. A very rapid growing plant. Either Apple or Pear, pkt., 10c.

Canary Bird Flower (Tropaeolum Canariense)

Well known climbing annual with elegantly fringed bright yellow flowers, which have a fanciful resemblance to Canary Birds with wings half expanded. Rapid climbers with foliage of a light green shade. Grows to a height of about 8 feet. Pkt., 10c.

Cardinal Climber

A rapid grower which attains a height of twenty-five feet in a season. Has beautiful fern-like leaves and is covered from mid-summer to frost with brilliant, fiery red flowers about one and one-half inches in diameter, and borne in clusters of five. Pkt., 15c; 3 pkts., 30c.

**Climbing Black Eyed Susan**

(Thunbergia Alata)

Height four feet

Beautiful free flowering, tender annual climber of rapid growth. Used extensively in window boxes, trellises, rockwork, and fences. The small single flowers of buff, white and orange are freely produced. Pkt., 10c.

Annual Climbers**MIXED**

A splendid mixture of pretty flowering, climbing annuals. Just the thing for covering old stumps, fences, arbors, etc. Pkt., 10c; oz., 25c.

Cobea Scandens (Cup and Saucer Vine)

Height 30 feet

Elegant, rapid-growing climbers, attaining a height of 20 to 30 feet. Particularly desirable for covering arbors, walls, fences, etc. In sowing, place the seeds edgewise and merely cover with light soil. Tender annual. Pkt., 10c.

Convolvulus (Morning Glory)

Height 10 feet

TALL MORNING GLORY—(*Convolvulus Major*)—The well known, rapid growing annual. It soon covers a fence or trellis with abundant foliage and bright flowers. Grows to a height of 10 feet. Pkt., 10c; oz., 15c; 1/4 lb., 35c.



Morning Glories

DWARF MORNING GLORY—A beautiful little plant of trailing habit growing to a height of about ten inches. The flowers are of rich shades of blue rivaling the pansy for beauty. Blooms from July until frost. Half hardy annual. Pkt., 10c.

MAMMOTH BLUE MORNING GLORY—Beautiful large blue flowers which make a wonderful display when in bloom. Pkt., 15c.

FANCY JAPANESE FRINGED—Immense flowers, often as big as a saucer. The colors, shadings and marking of the flowers are limitless. The foliage is luxuriant, distinct and varied, green, silvery and yellow. The robust vines reach a height of 30 to 40 feet in one season. Mixed colors. Pkt., 10c.

Cypress Vine (Ipomoea Quamoclit)

Height 15 feet

Very delicate fern-like foliage, and masses of beautiful small star-shaped flowers. Fine for trellises. Very desirable and handsome. Pkt., 10c.

Gourds

Height 10 to 20 feet

Rapid growing, interesting annual climbing plants with ornamental foliage and curiously shaped fruit. Excellent for a screen around a back porch as they are remarkably free from insects.

DIPPER—A round gourd with a long neck making an excellent dipper. Pkt., 10c; oz., 15c.

NEST EGG—White, egg-shaped, does not crack and not injured by heat or cold. Pkt., 10c; oz., 15c.

SUGAR TROUGH—Has very durable thick shell which makes fine dishes and other utensils. Pkt., 10c; oz., 15c.

DISH RAG—Has a very curious long green fruit inside of which is a fibrous mass. When shelled and seeds removed this makes a good dish cloth or bath sponge. Pkt., 10c; oz., 15c.

HERCULES CLUB (Also called New Guinea Bean)—The fruit is a long club-shaped gourd, often three feet long. Very interesting. Pkt., 10c; oz., 15c.

CALABASH PIPE—A rapid-growing climber from South Africa. The calabash pipes are made from this fruit. When grown to make pipes it is best to let the vines run on the ground like cucumbers. They are very light and color nicely. Pkt., 10c.

MIXED GOURDS—All kinds mixed. Pkt., 10c; oz., 15c.

Hyacinth Bean (Dolichos Lablab)

Usual height 10 to 20 feet.

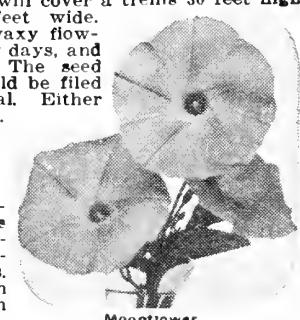
Splendid climbers with abundant cluster spikes of purple and white flowers, which are followed by exceedingly ornamental seed pods. Tender annual. Pkt., 10c.

Japanese Hop (Humulus Japonicus)

A charming climber, attaining a growth of 25 feet in a short time. Leaves are beautifully marked with white, yellowish green and dark green. Easy to grow, and excellent for covering unsightly objects, for verandas, and trellises. Pkt., 10c.

Moonflower (Ipomea Mexicana)

One plant will cover a trellis 30 feet high and six feet wide. Beautiful waxy flowers open at night and on cloudy days, and their fragrance is delightful. The seed has a very hard shell and should be filed before planting. Tender annual. Either white flowered or blue flowered. Pkt., 10c.

**Passion Flower**

(Passiflora Coerulea)

Tender climbing vines, splendid for outdoor decoration as well as house culture. Attractive purplish blue flowers, blooming profusely for several months. A native of tropical South America where it climbs from tree to tree. Pkt., 10c.

Moonflower

SWEET PEAS

Every garden should have a row of Sweet Peas. They will repay you well for the attention given them. The flowers make beautiful bouquets and are unsurpassed for table decoration. The climbing habit of the plant prevents its use in masses and borders and it does not reach a height sufficient to be used as a cover or screen for a lattice. But they are beautiful when grown in rows and provided with a support.

Early Flowering Spencers

Pkt., 10c; $\frac{1}{2}$ oz., 35c; oz., 60c; $\frac{1}{4}$ lb., \$2.00, postpaid.

This new race of Sweet Peas bears plants of extra strong constitutions. They have the large wavy flowers of the Spencer but bloom earlier and the season of bloom is much longer. Under favorable conditions they will bloom continuously for about four months, and they are excellent for growing under glass.

EARLY SWEET LAVENDER—Pure lavender self, enormous size, beautifully frilled.

VULCAN—Vivid Scarlet. Does not burn in hottest sunshine. In fact the brighter the sunlight, the more intense the color.

ENCHANTRESS—Rose pink. A beautiful bright shade.

WHITE ORCHID—First class large, waved, pure white flower.

THE BEAUTY—Intense fiery rose. Free-flowering, very large.

PINK CHEROKEE—Pink suffused salmon, cream ground. Exquisite effect of soft shades. Blooms profusely.

WARBLER—Rich mauve purple. Of splendid form and size.

MIXED EARLY-FLOWERING SPENCERS—Our strain has an endless variety of all the characteristic sweet pea colors. In size and color they are almost identical with the named sorts. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00, postpaid.

Late Flowering Spencers

Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 80c; Ib., \$2.50, postpaid.

These are second early in season of bloom and are usually called the late flowering Spencers. The flowers are very large, of exquisite shape, and are borne in threes and fours on long stout stems. They bloom profusely and for a longer time than the old Grandiflora type.

MARY PICKFORD—Selected from hundreds to be named for and presented to Mary Pickford at the annual seed convention June, 1925. It is a beautiful light, cream pink, a sturdy grower, producing an abundance of the four-flowered sprays on long, stout stems.

PRESIDENT HARDING—A wonderful peach-red, shading to bright salmon. Flowers are well proportioned, and artistically waved.

YOUTH—Flowers are white, edged in a beautiful manner with soft rose pink. The plant is robust and bears profusely.

ANGELE—Blue-mauve, suffused pink.

AUSTIN FREDERICK IMPROVED—Soft lavender, slightly darker at center. Flowers are of immense size.

BARBARA—Beautiful salmon color. Very popular. Color is very brilliant and makes a very effective bunch.

BLUE MONARCH—Dark blue, best of the blues, vigorous growing, and very large.

KING WHITE—Produces gigantic flowers, absolutely pure white.

MISS CALIFORNIA—Orange-salmon with cream pink. Color blending so perfect it is almost impossible to describe it. Flowers are large beautifully waved, and borne in fours on long stout stems.

CENTAUR—Deep cerise. Flowers of large size and perfect form.

ROYAL PURPLE—Rich, dark purple. One of the finest and most distinct varieties. Color deepens as the flower ages.

RAVENSWING—Deep maroon, the finest of this color yet introduced.

GUINEA GOLD—Golden orange. Very large.

WEDGEWOOD—A lovely shade of wedgewood blue in much demand. Blooms profusely.

HEBE—Large, bright pink. An improved Hercules.



Early Flowering Spencers

◆ **LATE FLOWERING MIXED SPENCERS**—A splendid mixture of the best Spencer varieties which are grown for us under careful supervision. In this you get all the colors of the named varieties. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; Ib., \$1.50, postpaid.

◆ **BARTELDÉS BEST MIXED**—A fine mixture of all popular varieties. Will give you an abundance of fine flowers in many different shades and colors. Pkt., 10c; oz., 15c; $\frac{1}{4}$ lb., 30c; Ib., \$1.00.



Smilax
(*Myrsiphyllum Asparagooides*)

Rapid growing, much used by florists in wreaths, and in cut flowers. The hard texture of the small green leaves of this plant makes it valuable for cutting as the long delicate sprays of the foliage will keep several days after cutting. Elegant for table decoration. Seed germinates very slowly. Pkt., 10c.

Perennial Climbers

Ampelopsis

For permanent situations this is one of the best climbing plants. It is entirely hardy, often attaining a height of 20 to 30 feet in two or three years from seed; clings to stone, brick walls or stucco. It is used for covering dead trees, gate posts, boundary walls, and is also used to cover fireplaces and chimneys.

AMPELOPSIS QUINQUEFOLIA (American Woodbine). Pkt., 10c.

AMPELOPSIS VEITCHII (Japan or Boston Ivy). Pkt., 10c.

Bignonia Radicans (Trumpet Vine)

One of the handsomest hardy climbing plants; bears large clusters of orange red flowers. Mostly grown on trees or walls or for covering unsightly places. Height 10 to 30 feet. Pkt., 10c.

Clematis

Well known and very popular perennial climbers. Usually grown from roots but can also be started from the seed. They will climb on any support and are excellent for porches. Pkt., 10c. For Clematis plants, see NURSERY STOCK.

Everlasting Sweet Peas

A perennial climber producing a succession of white, rose, and purple blossoms. The flowers are of good size and produced in clusters. Fine for arbors, trellises, fences. Pkt., 10c.

Kudzu Vine (*Pueraria Thunbergiana*)

The most rapid growing plant we have ever seen, making the remarkable growth of from 50 to 70 feet each summer. Leaves resemble those of a lima bean and the foliage is very dense. Will grow anywhere, and can stand an immense amount of hot weather. It grows slowly at first but when once started you can almost see it grow. For covering porches, arbors or old trees. Pkt., 10c; $\frac{1}{4}$ oz., 30c; Roots 40c each, 3 for \$1.10, postpaid.

Wistaria (*Glycine Sinensis*)

A strong rapid-growing vine with light-green foliage. Climbs very high and twines tightly; flowers are rose lilac in long pendulous clusters. Blooms very profusely. Pkt., 10c.



Coleus

HOUSE PLANTS

ASPARAGUS FERN

PLUMOSUS NANUS—Beautiful house plants; the feathery foliage is much used for hanging baskets. Pkt. (15 seeds), 15c.

SPRENGERI—Especially adapted to suspended baskets, window boxes, etc. An excellent house plant. Withstands dry atmosphere. Pkt. (12 seeds), 15c.

CALCEOLARIA

Much admired for greenhouse culture. Flowers are creamy white and various shades of yellow, often splashed, spotted or blotched with dark brown. Flowers vary a great deal. Leaves are large and close growing. Very ornamental. Pkt., 25c.

CALLA

An old favorite for drawing room or conservatory. Thrives in light, rich soil, where plentifully watered. Grown from bulbs or seed. Bulbs are listed in our fall catalog. Pkt., 10c.

COLEUS

Magnificent ornamental foliage plants for house or garden culture. The leaves are of many shades and colors and are of remarkable beauty. It is a tender perennial and is unequalled for ribbon beds, borders, etc. Pkt., 25c.

CYCLAMEN

Charming house plant with beautiful foliage and richly colored, very fragrant flowers. A tender perennial which may be successfully raised from seed with a little patience. Pkt., 25c.

FUCHSIA

A well-known greenhouse plant which will bloom from seed the first year if planted early. The raising of this plant from seed is interesting, as there always is the possibility of securing something new and distinct. Pkt., 25c.

GERANIUM

Popular plants, easily raised from seed, and we know of no plant that is more universally admired. Pkt., 15c.

HELIOTROPE

Fine for bedding, vases, baskets, and exquisite for pot culture in winter. Highly valued for the blue color and fragrance of the clusters of small saucer-shaped flowers. Seed sown indoors in the spring makes fine plants for summer blooming. Can also be sown outdoors in May. Pkt., 10c.

LANTANA

Shrubby plant producing clusters of flowers which constantly change their color. May be grown in pots or set out in summer; remains in bloom late in autumn. They have an agreeable aromatic perfume. Pkt., 10c. Tender perennial.

BULBS

PEONIES—America's Greatest Decoration Day Flower

Peonies are absolutely hardy and when once established will take care of themselves, making larger plants and producing greater numbers of flowers each year. There has been a wonderful development in these flowers, and the new varieties are far superior to those of ten years ago. The flowers are much larger, and the variety of color is much greater. Plant them as early in the spring as possible, from 5 to 6 inches deep and from 2 to 3 feet apart. Be sure to put some well-rotted manure or other fertilizer in the bottom of each hole. Press the ground carefully around the roots, being careful not to break the crown. Should the spring be very dry, water them a few times to produce a healthy growth of foliage, which is necessary to insure perfect blooming.

EDULIS SUPERBA—One of our earliest Peonies, usually in bloom on or before Decoration Day. It is a deep rose-pink with lighter shadings. One of the very best. 70c each; \$3.75 per 6, postpaid.

FELIX CROUSSE—A brilliant self-colored bright red Peony. The flowers are large, globe-shaped and very compact. It blooms in late midseason. Very effective because of its bright, fiery color. 70c each; \$3.75 per 6, postpaid.

FESTIVA MAXIMA—One of the grandest varieties in existence. The standard of perfection in Peonies. It is a strong grower, very early, free-blooming and very fragrant. The

magnificent flowers are of a delicate pure white color, with some of the center petals flaked with carmine. The most popular white peony today. 40c each; \$4.50 per doz., postpaid.

FRANCIS ORTEGOTT—A deep purple crimson. One of the best reds and a valuable addition to any peony garden. Mid-season. 70c each; \$3.75 per 6, postpaid.

GOLDEN HARVEST (Jeanne d'Arc)—Exceptionally free-flowering and very showy. Blooms are a clear yellow with blush guards, while the center is white with carmine tips. One of the earliest and best. 40c each; \$4.50 per doz., postpaid.

PINK—Unnamed, but good bloomers. 30c each; \$3.00 per doz., postpaid.

RED—Unnamed, but good bloomers. 30c each; \$3.00 per doz., postpaid.

WHITE—Unnamed, but good bloomers. 30c each; \$3.00 per doz., postpaid.

RUBRA SUPERBA—Late bloomer. Large, deep crimson. A very good keeper and deliciously perfumed. Each 35c; \$2.00 per 6, postpaid.

FRAGRANCE—Rose type. Very dark pink, almost red. Late to mid-season bloomer. 35c each; \$1.75 per 6, postpaid.

ALICE DE JULVECOURT—White flower. Strong growing free-blooming plant. Mid season. 35c each; \$1.75 per 6, postpaid.

IRIS

"The Poor Man's Orchid."

The Iris is extremely hardy. It is one of the best drought resisters we have and will also endure a great deal of cold. It will stand neglect and thrive where other plants die. This makes it exceptionally valuable for cemetery planting, as plants in cemeteries generally get but little attention and must be able to take care of themselves. Plant in a dry sunny location, setting the roots quite shallow. Too much water and too much manure are not good for them.

SHERWIN-WRIGHT—Buttercup yellow. The best clear yellow variety. Free bloomer and long-lasting.

JUANITA—A fragrant iris. Flowers, clear blue and borne on tall stems. A vigorous grower.

DOROTHY—A large flower. Pearl-gray.

PALLIDA DALMATICA—Magnificent flowers, very tall with pale lavender standards and deep lavender falls.

RHINE NIXIE—Pure white with violet-blue white edge.

All Iris 8c each, 75c doz., postpaid.



Cannas

Cannas can be used in a great many different ways: As a center of a flower bed, as a background for a flower bed, in front of the house or fence, as a screen to hide poultry yards, alleys, etc.

TALL BEDDING MIXED—6 for 50c; 12 for 80c, postpaid.



Dahlias

Prices are all postpaid. We grow our Dahlia bulbs in Kansas and are listing only those varieties which are specially adapted to middle western conditions.

Dahlias should be in every garden. They are easily grown and bear flowers of wonderful size and beauty. Order a few of the new Dahlias. We will send a leaflet giving full cultural directions with each order.

Decorative Dahlias

Are fully double with large petals, broad or flat. They are the largest dahlias grown.

PRIDE OF CALIFORNIA—The best dark blood red dahlia. Does best on a poor clay soil.

JEAN KERR—Pure white flowers. A most profuse bloomer. Good keeper when cut. 50c bulb.

MRS. I. D. VER WARNER—Large mauve colored blooms 6 to 8 inches across. Early bloomer. No garden complete without this variety. 75c bulb.

KITTY DUNLAP—Large flowers of rich cerise on good long stems well above foliage. \$1.00 bulb.

SAGAMORE—One of the best golden yellow dahlias grown. Blooms are large and keep well when cut. \$1.00 bulb.

D. M. MOORE—This dahlia is almost solid black due to the dark velvety maroon color. Blooms early and profuse. A novelty in any garden if you wish something odd and different in color. 50c bulb.

AMUN RA.—Mammoth copper colored blooms on good stiff stems. \$1.00 bulb.

Cactus Dahlias

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Miscellaneous Bulbs

MADEIRA VINE

One of the oldest and still one of the most popular of climbing plants. It grows very rapidly and forms a dense beautiful mass of foliage. It will grow almost anywhere but does best in good soil and in a sunny location. 5c each; 6 for 25c; 12 for 45c, postpaid.

CINNAMON VINE

One of the most useful hardy climbers. It is perfectly hardy and will live for years. It dies down to the ground each fall and then comes up again early in the spring.

It will cover a trellis or fence with dark green leaves and in the fall it bears an abundance of small white flowers with a delicious cinnamon fragrance. 10c each; 6 for 55c; 12 for \$1.00, postpaid.

TUBEROSES

Delightfully fragrant and beautiful summer flowering bulbs. The flowers are waxy, white, and sweet scented. Thrive best when given plenty of light and heat. Plant outside after April 1st. 10c each; \$1.00 per dozen, postpaid.

HYACINTH CANDICANS

Called Summer Hyacinth. The flowers are bell-shaped and pendulous, pure white, and fragrant. Plants are hardy and grow stronger and better each year. 10c each; \$1.00 per dozen, postpaid.

CALADIUMS

Fancy or variegated leaved. A showy and attractive plant for the outdoor garden or for indoor culture. The leaves are of brilliant colors which make a striking contrast. Do not plant outdoors until after the weather has turned warm. 35c each, three for \$1.00; \$3.75 per dozen, postpaid.

CALADIUM ESCULENTUM (Elephant's Ear)—A tropical plant which will do well in any garden provided it gets plenty of water. They do best in loose, rich soil and will grow to an enormous size if watered frequently and thoroughly. The bulbs may be taken up in the fall and stored until spring. Extra large bulbs, 30c each; 12 for \$3.00, postpaid. Medium bulbs, 25c each; 12 for \$2.50, postpaid.

MRS. CARL SALBACH—A large lavender bloom on long stems. Tall and straight as an Indian. \$1.00 bulb.

PATRICK O'MARA—Flowers are orange buff with rich green foliage. \$1.00 bulb.

Hybrid Cactus

Have pointed petals partly rolled, ranking next to decorative type in size and colors.

CIGARETTE—Creamy white and scarlet blooms. No two flowers alike even on same plant. Tall growing variety with blooms on long stems above foliage. Good cut flower. \$1.00 bulb.

SUNSET GLOW—The most profuse blooming orange and yellow cactus dahlia you can grow. 50c bulb.

GEORGE WALTERS—If you cannot get dahlias to give you enough blooms, then plant this one. It blooms twice as much as ordinary varieties. Color is a coppery old gold and rose tinting to buff at center. \$1.00 bulb.

GAY PAREE—The best bronze colored cactus dahlia. Profuse bloomer and good keeper when cut. \$1.00 bulb.

Show Type Dahlias

Are the old fashioned ball-form with quilled honeycomb petals. They keep best as cut flowers.

C. D. ANDERSON—A rich purple crimson in color that is sure to please you. Blooms are large but the plant is low and bushy. 50c bulb.

MAUDE ADAMS—The best and most prolific show dahlia grown. Stands hot dry weather best. Blooms early and late. Pure white overshadowed with lavender pink. If limited to only one dahlia we would choose Maude Adams. Specially good for florists trade and cut flowers. Only 25c bulb.

A. D. LIVONI—A deep cerise pink. Makes so many blooms they may be small unless disbudded. 35c bulb.

WHITE SWAN—A good pure white dahlia. (When planting red dahlias be sure to plant some white ones among them—it will make your red ones show up better in contrast.) 25c bulb.

YELLOW DUKE—The best bright canary yellow dahlia with blooms on long stems. The flowers look like big yellow mums. 35c bulb.

Pom Pon Type Dahlias

Are small compact show type dahlias not more than two inches in diameter.

ROSALIA—Yellow with tips of petals bright carmine. Good long stems. A profuse bloomer. 35c bulb.

LITTLE JOHNNY—The cutest little bright red pompon. Profuse bloomer with rich green foliage. Makes wonderful cut flowers for center piece table decorations. 35c bulb.

Gladioli

CULTURE—Gladioli bulbs do best in loose soil to which a little well-rotted manure has been added. They should be planted from two to four inches deep, in rows about 18 inches apart and the bulbs four inches apart in the rows.

HERADA—Pure mauve with deeper markings on throat and on lower petals. Wonderful cut flower.

VIRGINIA OR SCARLET PRINCE—Intense scarlet, slightly deeper in throat; extra fine, early and should be in every garden.

LE MARECHAL FOCH—Light flesh-pink with silvery sheen. Flowers wide open, broad petalled and very large.

CHATEAU THIERRY—Bright scarlet-red, with carmine stripe on creamy ground on lower petals. Enormous wide open flowers 5 to 6 inches.

GOLDEN MEASURE—Very large, dark golden-yellow. The best of the yellows. Each, 15c; 3 for 30c; 85c per dozen; \$6.00 per 100.

ALICE TIPLEDY—Large orange-saffron flower with slightly ruffled petals.

Large Bulbs of any of the above named varieties, except Golden Measure, 10c each; 80c per dozen; 25 for \$1.50, postpaid.

Fine Mixed Gladioli Bulbs, 7c each; 6 for 40c; 12 for 65c; 25 for \$1.20, postpaid.



Gladioli

BARTELDES NURSERY STOCK

Choose your nursery stock with care and remember that quality is of greatest importance. We do not send out agents but we sell direct through our catalog or through your own merchants in your home town. This assures you of a square deal in every instance.

Our method of selling saves the high cost of house to house canvas and enables us to offer the very best stock at very low prices.

TERMS: Our terms, as for seed orders, are cash with order. Prices include packing in a first class manner and delivery to express office or freight depot but the purchaser must pay transportation unless "postpaid" is mentioned in the price.

A BEAUTIFUL NURSERY STOCK CATALOG IN NATURAL COLORS

We have just printed a very beautiful book showing fruits, shrubs and trees in natural colors. This book is too expensive to permit us to send it out broadcast so we are obliged to ask that you send 30c for which we will send you the book postpaid.

The cover of the catalog carries a coupon which is good for 30c on any order for nursery stock. In this way we refund the 30c which you remit for the book.

This book is a work of art and contains much useful information in regard to the planting, pruning and spraying of all trees and shrubs.



Delicious

Apples

PRICES ON ALL VARIETIES

	Postpaid	Not Postpaid	
	Each	Per 10	Per 25
Standard—First-class, 5 to 6 feet.	\$0.70	\$6.00	\$13.75

Early Summer Varieties

Duchess, Early Harvest, Red Astrachan and Red June.

MID-SUMMER VARIETIES

Maiden Blush, Rambo, Wealthy and Yellow Transparent.

WINTER VARIETIES

Ben Davis, Mammoth Black Twig, Grimes Golden, Delicious, Jonathan, Stayman's Winesap, Winesap and York Imperial.

Crab Apples

Prices: 4 to 6 feet, 2 years, 70c each, postpaid; \$6.00 per 10, not postpaid.

Whitney, Transparent, Hyslop.

Apricots

Superb—It has large, beautifully colored fruits with rich, sweet and meaty golden-yellow flesh.

	Not Postpaid	Postpaid	Not Postpaid	Postpaid
	Each	Per 10	Each	Per 10
1 year, 4 to 5 feet.....	\$1.00	\$9.00		



Stayman Winesap

Cherries

	Not Postpaid	Postpaid	Not Postpaid	Postpaid
	Each	Per 10	Each	Per 10

Standard—2 years, first-class, 5 to 6 feet.....\$0.90 \$8.00

Sour Cherries

Early Richmond, English Morello, and Montmorency.

Sweet Cherries

Bing, Lambert. Sour Cherries are best for the Middle West.

Plums

Two years—First-class, 5 to 6 ft., \$1.00 each, postpaid; \$9.00 per 10, not postpaid.

Lombard, Damson and Abundance.

HANSON HYBRID VARIETIES

These are hardy, early bearers and do well in this section. Hanska, Sapa and Waneta.

Compass Cherry Plum—3 to 4 Ft.

Zumbra—This is a hybrid cherry plum which resembles the northwestern sweet cherry. Will bear the second year.



Champion Peach

Peaches

Carmen (free-stone, white, early). Champion (free-stone, white, mid-season); Crosby (free-stone, yellow, mid-season); Alberta (free-stone, yellow, mid-season); J. H. Hale (free-stone, yellow mid-season); Salway (free-stone, yellow late); Heath Cling (cling-stone, white late); Wheeler's Early (cling-stone, white early).

	Postpaid	Not Postpaid	
	Each	10	25
Standard—5 to 6 feet.....	\$0.70	\$6.00	\$12.50

Standard—5 to 6 feet.....\$0.70 \$6.00 \$12.50

Pears

Standard Varieties

Bartlett, Flemish Beauty, Kieffer, Seckel, Clapp's Favorite.



Kieffer Pears

	Not Postpaid	Postpaid
	Each	Per 10
Standard—First-class, 5 to 6 feet, 2 to 3 years.....	\$1.00	\$8.00
Dwarf Pear—First-class, 4 to 5 feet, 2 years....	1.00	8.00

Standard—First-class, 5 to 6 feet, 2 to 3 years.....\$1.00 \$8.00

Dwarf Pear—First-class, 4 to 5 feet, 2 years.... 1.00 8.00

Quinces

A very desirable fruit which is used with other fruits for preserves and canning. A very small portion of Quince will add a delicious flavor. Not hardy in northern states. 3 to 4 feet, \$1.20 each, postpaid; \$9.00 per 10, not postpaid.



Moore's Early

Grapes

Concord—(Black.) Too well known to need much description; is considered by many to be the best all around grape grown.

Moore's Early—(Black.) Bunch large, berry round with a heavy blue bloom.

Niagara—(White.) One of the leading white sorts; berry large, yellowish-white.

Worden—(Black.) A seedling of the Concord. Berry round, black with blue bloom, pulpy, juicy, and very pleasant; ripens several days earlier than Concord.

	Postpaid	Not Postpaid	
	Each	Per 10	Per 100
Concord	\$0.15	\$1.35	\$12.00
Other varieties .....	.20	1.85	14.00

Gooseberries

Should be planted in good rich soil and manured once a year. Prune regularly and thoroughly, cutting out all dead branches.

	Not Postpaid	Postpaid	Per 10	Per 100
Downing—Large greenish-white	\$2.50	\$20.00		
Houghton—Medium, pale red.....	2.50	20.00		
Oregon Champion—Medium, greenish-white, early	4.00	35.00		



Mersereau

Blackberries

Early Harvest—Very early. Berries medium size and sweet.

Snyder—Very hardy and therefore best for the North and high altitudes.

Mersereau—A mammoth blackberry of unusual vigor.

All Blackberries, per 10, 50c, postpaid; per 100, \$4.00, not postpaid.

Dewberries

This is a variety or species of blackberry that trails on the ground. The fruit is like the blackberry but somewhat larger and of just as good if not better flavor. Per 10, 50c, postpaid; per 100, \$4.00, not postpaid.

St. Regis Everbearing Raspberries

"Bears First, Last and All the Time."

The St. Regis has rightly been called "the early till late" variety for it is the first red raspberry to give ripe fruit, while it continues to produce berries without intermission until late in October.

The berries are large, bright, crimson in color and firm and rich in sugar. 75c per 10, postpaid; \$6.00 per 100, not postpaid.

Other Raspberries

RED VARIETIES

	Per 10	Postpaid	Per 100	Not Postpaid	\$4.50
New Cardinal	\$0.70				
Cuthbert .....	.60	Postpaid	4.00		

BLACK CAPS

Hardier than the Reds.

	Per 10	Postpaid	Per 100	Not Postpaid	\$3.50
Cumberland	\$0.60				
Gregg .....	.60	Postpaid	3.50		

	Per 10	Postpaid	Per 100	Not Postpaid	3.50
Kansas .....	.60				

Evergreens

A few well placed Evergreens add a great deal to the beauty of your lawn. These can be set out in groups, with shrubbery, along the foundation of the house, or single specimens. Chinese Arbor-Vitae—18 to 24 inches. Each, \$2.00; per 10, \$17.50.

Irish Juniper—18 to 24 inches. Each, \$3.25; per 10, \$30.00.

Red Cedar—18 to 24 inches. Each, \$1.95; per 10, \$15.00.

Spruce, Black Hill—18 to 24 inches. Each, \$2.25; per 10, \$21.00.

Evergreens should all be sent by express.



Evergreens

Plants Shrubs

Ornamental Shrubs are becoming more popular every day and there is nothing that makes a place look more home-like than a few well placed flowering shrubs. These are all perennials and when once established they need practically no attention for years. They bear beautiful flowers and are an ornament throughout the entire year.

Lilac

The Lilac appears to best advantage when massed in groups. Should not be pruned in winter or spring, as it destroys the flowers. Large flowered, purple or white. Each, 55c, postpaid; per 10, \$4.50, not postpaid.

Villosa Lilac—75c each, postpaid; 10 for \$6.50, not postpaid

Syringa or Mock Orange

The shrubs are usually tall, vigorous growers, with large foliage and white flowers. Each, 55c, postpaid; 10 for \$4.50, not postpaid.

Spirea

The Spirea is without doubt one of the most useful of ornamental shrubs. It can be used for backgrounds, dividing fences, hiding foundations and the individual specimens are very beautiful.

SPIREA VAN HOUTTEI
(Bridal Wreath)—The grandest of all the Spireas; it is a beautiful ornament for the lawn at any season but when in flower it is a complete fountain of white bloom. 55c each, postpaid; 10 for \$4.50, not postpaid.

SPIREA THUNBERGII—18 to 24 inches. Extremely neat and graceful in its habits; green foliage; white flowers. 55c each, postpaid; 10 for \$4.50, not postpaid.



Spirea Van Houttei

SPIREA ANTHONY WATERER—A beautiful variety with broad heads of deep pink flowers; grows 2 to 3 feet high. 55c each, postpaid; 10 for \$4.50, not postpaid.

California Privet

Undoubtedly the best all-around hedge plant. Can be sheared to any shape. 18 to 24 inches, 10 for \$1.50, postpaid; 100 for \$10.00, not postpaid.

Amoor River Privet

This is similar to California Privet, but is hardier and stands our winters better. 12 to 18 inches, 10 for \$1.75, postpaid; 100 for \$12.00, not postpaid.

SNOWBALL—A well known favorite shrub of large size, with handsome balls of very beautiful white flowers in June. Each, 65c, postpaid; 10 for \$5.00, not postpaid.

WEIGELA ROSEA—Quite hardy. The pink flowers are produced in so great profusion as almost entirely to hide the foliage. Each, 55c, postpaid; 10 for \$4.50, not postpaid.

BUTTERFLY BUSH or SUMMER LILAC—Beautiful lilac colored flowers are borne on long, graceful stems. Each, 55c, postpaid; 10 for \$4.50, not postpaid.

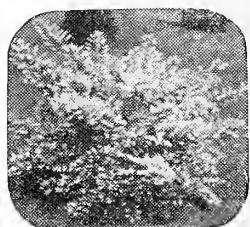
DEUTZIA (Gracilis)—Entirely hardy and forms a small round plant. Flowers pure white. Each, 55c, postpaid; per 10, \$4.50, not postpaid.

DEUTZIA, PRIDE OF ROCHESTER—Produces large white flowers, tinged with rose. Each, 55c, postpaid; per 10, \$4.50, not postpaid.

HYDRANGEA—A fine shrub bearing showy panicles of pink and white flowers in great profusion. Hardy and especially fine for northern exposure. Each, 65c, postpaid; per 10, \$5.00, not postpaid.

BERBERIS THUNBERGII (Japanese Barberry)—Handsome foliage of bright green, oval leaves that turn to most brilliant shades of orange and red in the fall. Slender, graceful branches, protected by thorns. Each, 55c, postpaid; 10 for \$4.50, not postpaid.

QUINCE (Japan Scarlet)—Bright scarlet flowers in early spring. Fine for hedge. Each, 55c, postpaid; 10 for \$4.50, not postpaid.



Deutzia

Shrubs—Continued

FORSYTHIA or GOLDEN BELL—Its branches in early spring, before the leaves appear, are covered with bright yellow pendulous flowers. Each, 55c, postpaid.

TAMARIX—A beautiful shrub with small light green leaves similar to Juniper. Flowers are pink. Each, 65c, postpaid.

SUMAC—Very useful in a shrub collection. Very striking when the leaves turn. Each, 65c, postpaid.

ALMOND (Dwarf Double Rose)—A fine shrub with small double blossoms. Rose or white. Each, 55c, postpaid.

ALTHEA, or ROSE OF SHARON—Hardy flower in the fall when other shrubs are out of bloom. Double. Purple or white. Each, 55c, postpaid; per 10, \$4.50, not postpaid.

Roses

These are described and pictured in colors in our Special Nursery Catalog which we send for 30c. The catalog carries a coupon which is good for 30c on any order for nursery stock.

Climbing or Rambler Roses—65c each, postpaid; 10 for \$5.00, not postpaid.

Hybrid Perpetual Roses—65c each, postpaid; 10 for \$5.50, not postpaid.

Hybrid Tea Roses—65c each, postpaid; 10 for \$5.50, not postpaid.



Vines



Boston Ivy

A few vines will add greatly to the beauty and the comfort of your porch. These perennial vines need practically no attention after they are once started and they increase in size and beauty from year to year.

HONEYSUCKLE (Monthly Fragrant)—Blooms all summer, very sweet. Each, 45c; 10 for \$4.00, postpaid.

HONEYSUCKLE (Hall's Japan)—An evergreen variety with pure white flowers. Each, 45c; 10 for \$4.00, postpaid.

HONEYSUCKLE (Yellow Trumpet)—Each, 45c; 10 for \$4.00, postpaid.

WISTARIA (Chinese)—Either white or purple. Hardy and makes an enormous growth. Each, 60c; 10 for \$5.00, postpaid.

AMPELOPSIS VEITCHII (Boston Ivy)—Foliage smaller

than the American and more dense. Form a sheet of green and is unequalled for covering brick or stone walls. Each, 60c; 10 for \$5.50, postpaid.

AMPELOPSIS QUINQUEFOLIA (American Ivy or Virginia Creeper)—A rapid grower, foliage turning to a rich crimson in autumn. Each, 60c; 10 for \$5.50, postpaid.

BIGNONIA RADICANS (Scarlet Trumpet Flower)—Vigorous and bears clusters of large, trumpet-shaped scarlet flowers in August. Each, 60c; 10 for \$5.25, postpaid.

CLEMATIS HENRYI—Large, pure white flower. Each, 70c; 10 for \$7.50, postpaid.

CLEMATIS JACKMANII—Large, intense violet-purple flowers. Very popular. Each, 70c; 10 for \$6.50, postpaid.

CLEMATIS PANICULATA—Bears an abundance of small pure white flowers of penetrating fragrance. The most hardy and best variety of all. Each, 60c; 10 for \$5.00, postpaid.

Ornamental Trees

Invest a little money in trees for your home. They will pay regular and increasing dividends in shade and beauty for many years to come. It takes some time to grow a good shade tree. Do not put this off another season but get some trees started at once.

Trees are too large to go by parcel post. These must be sent by express or freight.

	Each	Per 10
Ash, American—6 to 8 feet.....	\$1.00	\$ 9.00
Catalpa Bungel—4 to 5 feet.....	1.25	11.00
Elm, American—6 to 8 feet.....	1.00	9.00
Chinese Elm—4 to 5 feet.....	1.00	9.00
Box Elder—6 to 8 feet.....	1.00	9.00
Maple, Silver Leaf—6 to 8 feet.....	.90	8.00
Maple, Sugar—5 to 6 feet.....	2.25	22.00
Poplar, Carolina—6 to 8 feet.....	.80	7.50
Poplar, Lombardy—6 to 8 feet.....	.80	7.50
Sycamore, American—6 to 8 feet.....	1.00	9.00
Russian Mulberry—5 to 6 feet.....	.80	7.50

Tree Seeds

Ask for Quotations on Varieties Not Listed

Prices are postpaid.

APPLE—Apple seeds produce a hardy stock on which the varieties are budded or grafted.

FRENCH CRABAPPLES—Lb., \$1.00.

RUSSIAN APRICOTS—Very hardy, fruit medium sized and of best quality. Oz., 10c; lb., 50c.

MAHALEB CHERRIES—One of the best varieties on which to graft cherries. Oz., 10c; lb., \$1.25.

Pear—Stock is used for budding and grafting the choice varieties. Oz., 20c; lb., \$3.00.

MYROBOLAN PLUM—Produces a hardy, vigorous stock for grafting. Oz., COL. SPRUCE 10c; lb., \$1.00.



Evergreens

AMERICAN ARBOR-VITAE—An evergreen of very great value for ornamental hedges. Its timber is exceedingly beautiful, lasting a hundred years in exposed situations without showing signs of decay. Pkt., 10c; oz., 20c; lb., \$3.50.

WHITE or WEYMOUTH PINE—The pine lumber of commerce is mostly the product of this species. Pkt., 10c; oz., 40c; lb., \$5.00.

RED CEDAR—Grows in all sections, very valuable timbers, a fine ornamental tree, will stand the dry hot winds of Nebraska and Western Kansas, and is fine for windbreaks and around the farm house and stock yards. Oz., 10c; lb., \$1.00.

CHINESE ARBOR-VITAE—A very beautiful tree for towns and ornamental hedges, for which purpose it has been a long time in cultivation. Pkt., 10c; oz., 20c; lb., \$2.00.

Rocky Mountain Evergreen

PICEA PUNGEN'S (Colorado Blue Spruce)—From selected blue trees only. Pkt., 10c; oz., 25c; lb., \$3.50.

abies douglasii (Douglas Spruce)—45,000 seeds to the pound. Pkt., 10c; oz., 40c; lb., \$5.00.

PINUS PONDEROSA (Yellow Pine)—16,000 seeds to the pound. Pkt., 10c; oz., 20c; lb., \$2.00.

abies concolor (Colorado Black Balsam)—Pkt., 10c; oz., 20c; lb., \$2.00.

Deciduous Trees

AILANTHUS, TREE OF HEAVEN—Grows to large size and foliage has a rich tropical appearance. Oz., 10c; lb., \$1.00.

CATALPA SPECIOSA—It is exceedingly rapid in growth; its adaptation to most all soils and situations; its wide range of latitude; its extraordinary success on the western and northern prairies; the ease and certainty with which it is transplanted; the strong vitality and freedom from disease and insects; the incomparable value of its timber; the almost imperishable nature of the wood when used for posts, railroad ties and in other exposed situations, all point to the Catalpa as the tree to plant. Pkt., 10c; oz., 15c; lb., \$2.00.

SUGAR MAPLE—This is one of our highly prized native trees. Pkt., 10c; oz., 15c; lb., \$2.00.

SOFT or SILVER LEAF MAPLE—One of the most beautiful of Maples. Can give prices in May.

WHITE ASH—This is one of the most valuable varieties for forest planting. Pkt., 10c; oz., 15c; lb., \$1.00.

ASH-LEAVED MAPLE or BOX ELDER—Oz., 10c; lb., 75c.

WHITE ELM—It is the largest of the native elms, often growing to the height of 80 feet. Ask for price in May.

RUSSIAN MULBERRY—Said to be most valuable for our climate. Oz., 15c; lb., \$1.50.

YELLOW or BLACK LOCUST—This variety is noted for its rapid growth of hard, durable timber. Oz., 10c; lb., 75c.

HONEY LOCUST—This is a large and handsome tree, the trunk and branches generally set with long and formidable spines. Oz., 10c; lb., 75c.

KENTUCKY COFFEE TREE—Oz., 10c; lb., \$1.00.

OSAGE ORANGE—Fine for hedges. Pkt., 10c; oz., 15c; lb., \$1.25.

BLACK WALNUT—One of our most valuable varieties for timber planting. Lb., 20c.

PAWPAW—Pkt., 10c; oz., 15c; lb., \$2.00.

PERSIMMON—Pkt., 10c; oz., 15c; lb., \$2.00.

HACKBERRY—Pkt., 10c; oz., 15c; lb., \$2.00.

DOGWOOD—Pkt., 10c; oz., 15c; lb., \$2.00.

SPECIAL INSTRUCTIONS

Seeds with very hard shells should be soaked immediately before planting to hasten germination. The simplest plan is to drop them into quite hot water, about 120 degrees Fahrenheit, until they show signs of swelling up. They must not be allowed to become dry again before sowing. Some kinds of seeds will lay over one, two or even three years, before germination and it is therefore not advisable to condemn them too hastily.

Barteldes Tested Seed Corn

There are a good many factors that determine the yield of corn per acre. Some of these are beyond the control of the farmer, but there is one very important factor that every farmer can control, and that is the quality of the seed that he plants. The difference between good seed and poor seed is always several bushels per acre and sometimes means all the difference between success and failure.

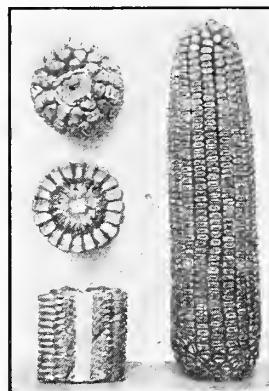
Make sure of the quality of seed corn that you plant. Our seed is selected in the ear, then tipped, butted, shelled and cleaned. And above all, it is tested for germination and we put the germination on the tag.

Don't gamble on your seed corn. If you want to plant your own corn be sure that you test it before planting time.

GRADED CORN. We can also supply corn which in addition to being selected, tipped and butted is also graded. This takes out nearly all of the uneven kernels. The cost of this is 25c per bushel extra.

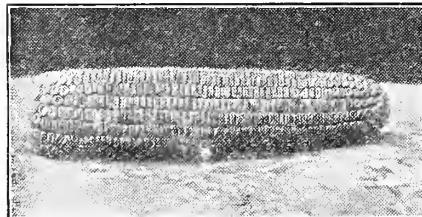
Yellow Varieties

KAW CHIEF. We have been growing and selling Kaw Chief Corn for many years now and every year we add a host of names to our list of satisfied purchasers of this corn. If you have never grown Kaw Chief be sure and try it this year. We know you will be pleased. The corn is of a deep, golden yellow color, the ears are large, measuring up to 13 and 14 inches in length and have 16, 18 and 20 rows to the cob. The grower had in mind constantly not so much a very large ear, but an ear that was well filled at both tip and butt, and kernels that were large and square shouldered. This is the kind of corn that yields heaviest when shelled. A bushel of Kaw Chief Corn on the ear will yield 58 to 60 pounds of shelled corn. Kaw Chief Corn matures in from 95 to 105 days, and ordinarily yields from 75 to 80 bushels per acre and makes a good growth of foliage. It does well on both upland and bottom land. Our supply of Kaw Chief is always exhausted before the end of the season so send your order early. Per lb., 10c.



Kaw Chief

REID'S YELLOW DENT. (100 days.) Ears medium size, remarkably uniform in size and of a bright yellow color with a deep grain and small red cob. Best for shredding, as it shatters least of any. A sure cropper and a very reliable variety in all respects. Lb., 10c.



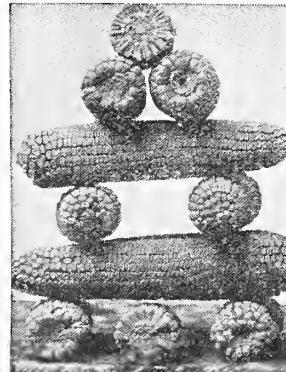
Pride of the North

together on the cob, and of a light orange color. Lb., 10c.

IMPROVED LEAMING. (90 days.) This is one of the earliest yellow dent corns in cultivation, ripening in 90 to 100 days from planting. The ears are large and handsome, with deep, large grains; orange yellow color and red cob. Lb., 10c.

IOWA GOLD MINE. (90 days.) It is early, ears of good size and symmetrical; color bright golden yellow; grains very deep; cob small, and therefore dries out very quickly. Lb., 10c.

GOLDEN BEAUTY. (100 days.) The ears are of perfect shape with from ten to fourteen straight rows of bright golden yellow grains, remarkable in size and filled out completely to the extreme end of the cob. The richness of color and fine quality of grain make it vastly superior for grinding into meal. The ears are easily shelled, although the kernels are firm on the ear and in every respect as perfect a type as could possibly be had. Golden Beauty matures in 100 to 110 days from planting and surpasses all in size and beauty of grain. Lb., 10c.



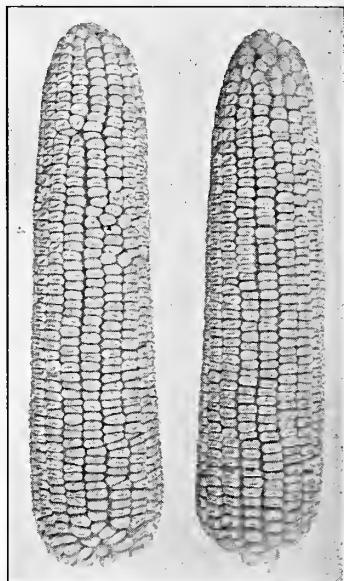
Golden Beauty

White Seed Corn

PRIDE OF SALINE.—The Kansas Agricultural College reports that Pride of Saline is the highest yielding variety of any that were grown in cooperative variety tests throughout central Kansas.

Pride of Saline is a medium early, about like Silver Mine and Reid's. The ears are of medium size, the corn is pearly white, medium short, quite rectangular in shape and rather hard.

It is not a show corn but is a sure money-maker. In variety tests at Manhattan it outyielded every other variety for three straight years. It is especially recommended for central and western Kansas, for early corn in eastern Kansas, and for other localities where conditions of soil and climate are not the best for corn growing. If you want to fill your corn crib, plant Pride of Saline. Lb., 10c.



Pride of Saline

BOONE COUNTY WHITE. (100 days.) Medium late, and in our opinion the best white corn for bottom lands and good soil. The ears are of large size, well proportioned, well rounded at butt and tip. The up to date type has a deep narrow grain giving the largest possible amount of corn to the cob. This variety yields well, even in a dry season. Lb., 10c.

IOWA SILVER MINE. (90 days.) The stalk grows to a height of 7 or 8 feet, and sets the ears about three and a half to four feet from the ground. The ears measure from ten to twelve inches in length. They are very uniform in size and shape, sixteen to twenty straight rows of deep, pure white kernels on a small cob. It is the heaviest yielder we know, having yielded over 100 bushels to the acre. Seventy pounds of ears will make sixty-two pounds of corn. Lb., 10c.

HICKORY KING. (110 days.) This is an entirely distinct variety amongst the white corn, combining the largest grain with the smallest cob. A single grain will completely cover the cob of an ear broken in half. It is a great yielder, giving more shelled corn to the bushel of ears than any other variety. It is satisfied with any kind of soil, and will produce good strong stalks, bearing two and occasionally three good ears. Lb., 10c.



Hickory King

Brazilian or Stooling Flour Corn

This corn, is inclined to stool. Each stalk bears two or three ears five to seven inches in circumference, nine to twelve inches in length, and beautifully white. It produces an abundance of fodder, and is fine for ensilage. The kernel contains more starch than any other corn, and ground and bolted by the same process as wheat, gives a fine flour. Lb., 15c.

For prices of corn by the bushel see our Pink Price List.

Cross-Bred or Hybrid Corn

An Achievement in Scientific Agriculture.

Scientists after years of patient effort now offer you a new type of corn which excels the common varieties in hardiness and vigor, and should show an increase in yield of 10 bushels or more per acre.

To produce this new type has taken years of work in inbreeding and selection to secure parents having the desired characteristics. Then the two parents are planted in alternate rows and tassels of one strain are pulled off by hand so that pollination can take place only from the other parent plants. In this manner only one half of the field produces a crop.

The result is a strain of remarkably uniform growth, vigorous plants with abundant broad leaves and a strong healthy root system. The corn is hardy, should be planted early and is extremely drought resistant.

The ears are of medium size but there are no barren stalks. Every stalk produces one good ear and often a second smaller ear. It is this absence of barren stalks that brings the yields up to a hundred bushels per acre. The grain is of average depth and bright golden yellow color.

COST? An increase in yield of only two bushels per acre pays the extra cost and everything above that is clear profit. An increase of 10 bushels per acre represents a net profit of about \$5.00 with no additional expense except for gathering

PRICE— $\frac{1}{2}$ bushel, \$1.25; $\frac{1}{4}$ bushel, \$2.25; $\frac{1}{2}$ bushel, \$4.00; 1 bushel, \$7.50. All in sealed bags and treated with Semesan Jr. This treated corn cannot be sent through the mail and must go by express or freight.

Don't Delay. Science is making you a wonderful offer in this new corn. Grasp it.

PLANT NOTHING BUT TESTED CORN.

TREAT ALL SEED CORN WITH SEMESAN JR.
IT PAYS.

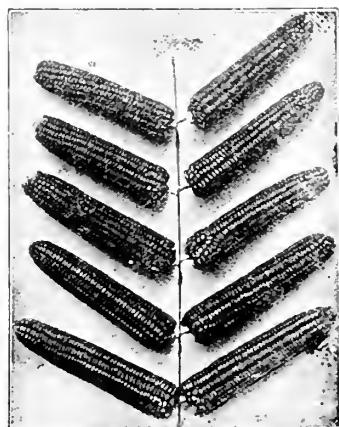
Red Corn

BLOODY BUTCHER. (100 days.) This corn resists the drought better than any other variety. Ears long and of perfect shape. Grain deep red, having sometimes a yellow tip. Type is not entirely fixed. Lb., 10c.

Odd Varieties

SQUAW CORN. (90 days.)

Blue. (Semi-flint.) This variety grows very dwarf and is one of the very best for resisting drought. It is early and is very popular in sections deficient in rainfall. The ears are rather small and the kernels are blue or white and blue. Its ability to resist drought together with its earliness make Squaw Corn an excellent variety for Western Kansas, Oklahoma and Texas. Lb., 10c.



Bloody Butcher

CALICO. (100 days.) The Old-Fashioned Red, White and Yellow. This peculiarly colored corn was obtained by breeding together strong, vigorous red, white and yellow types, producing a kernel showing stripes of the three colors. Ears are large, grains deep and cob small. Very rich in protein and a good feed for stock. Lb., 10c.

For prices of Seed Corn by the bushel please see our Pink List.

Alfalfa

Alfalfa Seed Prices Lowest in Twenty Years

Don't pass up this opportunity to seed alfalfa at an extremely low cost. You may not see such prices again in twenty years.

And now that good seed is so very cheap, don't risk getting weeds on your farm by sowing uncleaned or untested seeds.

THE BEST IS CHEAP THIS SEASON.

In spite of the fact that every one knows that Alfalfa is a profitable crop the acreage in the middle west has been decreasing in recent years. In our opinion this is due primarily to two causes. First: farmers have sown too much Alfalfa seed which was not adapted to local conditions. And second: sufficient care was not used in preparing the seed bed.

All soils will not produce Alfalfa but there is some soil on practically every farm that will produce it profitably. Alfalfa requires a soil of good drainage, medium fertility and medium depth. Many soils are deficient in lime and in such cases lime must be added to grow Alfalfa. Your county agent or experiment station will test your soil free. This is important.

Inoculated Alfalfa adds greatly to the fertility of the soil but Alfalfa without inoculation is the biggest soil robber of all crops. Your alfalfa may become naturally inoculated by the bacteria in the soil but to insure inoculation we advise artificial inoculation of the seed. This is not expensive.

Alfalfa needs fertilizers. Acid phosphate with manure or acid phosphate alone have made wonderful increases in yields. Your county agent can tell you more about this.

In buying Alfalfa seed be sure that you get seed which is adapted to your climatic conditions. We recommend Kansas grown seed for the middle west with Oklahoma and Utah seed for second choice. For Colorado we recommend Colorado seed first and Utah seed second.

In view of the fact that there is quite a bit of expense and labor connected with the proper preparation of an Alfalfa seed bed and that a stand will last for a good many years it is folly to run the risk of getting a poor stand or of bringing a host of weeds to your farm by sowing cheap or untested seed. You cannot be too careful in selecting your Alfalfa Seed. Your neighbor may be entirely honest in telling you that his Alfalfa seed is free of weeds, but it takes a trained analyst to detect these weed seeds. We urge you to either send a sample to your Experiment Station for test or buy tested seed from reliable seed refiners. The latter plan will be the most satisfactory and economical in the long run.

We are always glad to send samples, quote prices, give tests and origin.

See Our Pink List for Prices.

Grimm Alfalfa

Grimm Alfalfa is becoming more popular every year. We have never heard of an instance in the United States where it has winter killed.



INOCULATION

supplies the necessary bacteria for best development of Alfalfa.

Clover and Grass Seed Prices Down to Rock Bottom

This is the time to improve your land by turning a good portion of it back to meadows and pastures.
See Our PINK LIST for Prices of all Field Seeds.



Barteldes Sweet Clover

MAKES HAY AND PASTURE WHILE ENRICHING THE SOIL.

The features or qualities which make Sweet Clover so valuable are: First, the ability to thrive, produce good hay and good pasture on very poor soils; and second, the ability to improve the soil on which it is growing.

Although Sweet Clover is very hardy and will thrive in the most unfavorable places it is sometimes difficult to get a good stand. This difficulty can be overcome by sowing the seed on a thoroughly compacted seed bed with just enough loose dirt to cover the seed and by sowing scarified seed.

Sweet Clover has a very hard shell and when the seed is not scarified much of it will lay dormant for some time.

Our Sweet Clover is all scarified at no expense to you.

WHITE BLOSSOM SWEET CLOVER (*Mellotus alba*)—This is the popular and standard variety. It is a biennial, grows to a height of from 4 to 6 feet, is a very vigorous grower, is extremely hardy and produces abundant pasture and lots of hay. This is the standard Sweet Clover of the country.

BIENNIAL YELLOW BLOSSOM SWEET CLOVER (*Mellotus officinalis*)—This is also a biennial and preferred by some people on account of its earliness. It is about two weeks earlier than the white, does not grow quite as tall and not as heavy or as coarse. Do not confuse this with the annual Yellow Blossom which is of very little value.

RED CLOVER (*Trifolium Pratensis*)—An excellent soil builder. For a good pasture use 8 pounds of Red Clover and 10 pounds of Timothy to the acre. Be careful to select seed which does not contain Buckhorn. You can depend on our Sunflower and Columbine brand of Red Clover.

BURR CLOVER (*Medicago Maculata*)—Most desirable for Southern States and California. Good forage plant for late summer. Sown in August, September and October, 15 pounds per acre.

CRIMSON CLOVER (*Trifolium Incarnatum*) — An annual variety largely grown in Virginia and southern states. Four weeks earlier than red clover, heavy yielder, makes good hay. Sow 15 pounds to the acre, in the fall in southern country.

WHITE CLOVER (*Trifolium Repens*)—A hardy perennial, excellent for mixing with Kentucky Blue Grass for lawns and pasture. Sow five lbs. to the acre.

ALSIKE CLOVER (*Trifolium Hybridum*)—Especially valuable for growing on wet or swampy land. It is very hardy, will withstand drought, will not winter kill, and will make an excellent crop of hay. Six to 10 pounds will sow an acre.

ESPARSETTE OR GERMAN CLOVER (*Onobrychis Sativa*)—Perennial. Same family as alfalfa, is adapted to light chalky soils, stands gravel and barren regions deficient in rainfall, blooms in July. Very good feed for cows as it increases the flow of milk and improves the quality. Sow 30 pounds to the acre, two inches deep.

MAMMOTH SAPLING OR PEA VINE CLOVER—A rank grower which makes it a valuable fertilizer. Plant resembles Red Clover, except that it is darker in color, ripens later, and makes a better quality of hay. Sow 12 to 15 pounds to the acre.

JAPAN CLOVER (*Lespedeza Strlata*)—Perennial of low spreading habit. Will stand excessive heat, flourishes on poor soil, and makes a fair hay which stock will eat readily when green. Sow in spring, 30 pounds to the acre.

KOREAN LESPEDEZA—A plant similar to clover and the best of the Lespedeza types. It has an advantage over alfalfa and sweet clover in that it will grow on untreated soil, no lime or phosphate being needed. There is no waste to this plant and can be cut right down to the ground for feed, the stalks being very tender. Korean Lespedeza can be grazed all spring and summer and hay can be cut or seed taken from the crop in the fall. Agriculturists state their "belief" that this Lespedeza is the "coming legume." About four tons of hay to the acre in not an uncommon yield.

Pasture Grass Seeds

ORCHARD GRASS (*Dactylis Glomerata*) — Withstands drought, grows well in the shade, flourishes in wet or poor ground, and prevents worn-out fields from washing. Good pasture for cows. Sow 20 to 25 pounds per acre.

MEADOW FESCUE OR ENGLISH BLUE GRASS

(*Festuca Pratensis*) — Especially adapted for permanent pasture. Succeeds on poor soils, makes good hay earlier than other varieties, cattle thrive on it whether in dry or green state. Withstands dry weather and freezing, and produces an abundant crop of seed. Sow 15 to 20 pounds to the acre. Lb., 25c. A mixture of $\frac{1}{2}$ Meadow Fescue and $\frac{1}{2}$ Kentucky Blue Grass is fine for lawns.



Kentucky Blue Grass

BROMUS INERMIS OR HUNGARIAN BROME GRASS —A grass for the stock raiser. Cattle like it, it is a wonderful drought resister, and will stand intense cold equally as well. Aside from alfalfa no grass has fulfilled the promise to the western farmer better than Bromus Inermis.

TALL MEADOW OAT (*Avena Elatior*)—Its early growth in spring makes it equal to rye pasture. Grows quickly after mowing, and gives a denser and more succulent aftermath than any of the present popular cultivated grasses. Broadcast 30 pounds to the acre.

BERMUDA GRASS ROOTS—The quickest way to get a good stand is by setting out the roots. They should be set 18 inches apart each way after the soil has become warm.

BERMUDA GRASS (*Cynodon Dactylon*)—Bermuda grass lawns remain green all summer without artificial watering. Seed is sown at the rate of one pound to 500 square feet, for lawns and 3 to 5 pounds per acre for pasture.

PERENNIAL ENGLISH RYE (*Lolium Perenne*)—Largely used in lawn and pasture mixtures. It makes a rich green sod and a nutritious hay. Lasts for years. For pasture sow in spring 25 to 30 pounds to the acre; for lawns 60 to 75 pounds to the acre.

ITALIAN RYE (*Lolium Italicum*)—Surpasses perennial in earliness and nutrition. Particular as to soil, and lasts only two years. Sow 30 to 40 pounds to the acre.

TIMOTHY (*Phleum Pratense*)—Well adapted to spring and summer grazing, greatly relished by all kinds of stock, especially horses; yields more nutritious matter than any other forage plant or grass. Excellent hay crop. Sow 10 to 12 pounds to the acre.

RED TOP GRASS—One of our best native grasses. Especially valuable for sowing on sour or acid soils, swampy or meadow lands, liable to overflow, and on soils that are not rich enough for Timothy and other grasses. When mixed with Alsike Clover it makes a fine crop of hay or excellent pasture. Fourteen pounds of solid seed should be sown to the acre. To make the best quality of hay it should be cut when in full flower. More easily cured than any other grass.

JOHNSON GRASS (*Sorghum Halapense*)—We do not offer Johnson Grass for sowing in Kansas. It is a perennial, a rapid grower with long cane-like roots; leaf, stalk and pinnae resemble those of sorghums. Grows on any land where corn will grow. Ten pounds to the acre.

Sudan Grass

A tall, leafy annual grass of the sorghum family. It is a native of a hot dry climate and naturally adapted to the dry conditions of the Middle West; a hay crop which yields an average of two cuttings or about 4 tons of fine hay per acre; but each year more and more farmers are using it as summer pasture. When planted for this purpose 15 to 25 pounds with a grain drill should be sown. When planted for seed, sow 2 to 4 pounds to the acre. We have been growing and selling Sudan Grass seed for a number of years and can at all times supply the best seed at the lowest market prices. Ask us for prices.

SEE Pink List for Field Seed Prices.



Barteldes Lawn Grass

Made up principally of Kentucky Blue Grass, White Clover, and some other grasses that will grow rapidly and make a good showing immediately. The Blue Grass and White Clover will eventually drive out the other grasses and make a fine lawn. Fifty years' experience with grass seeds has made this mixture just as good as we know how to make it. Put up in neat cartons and in bulk. 1 lb. carton, postpaid, 38c; in bulk not prepaid, 1 lb., 30c; 10 lbs., \$2.80; 25 lbs. or more, at 25c, not postpaid.

Quick Green Lawn Grass

A fine mixture of Kentucky Blue, Meadow Fescue and White Clover. Makes a fine showing very quickly and makes a good permanent lawn. Lb., 25c; 5 lbs., \$1.20; 10 lbs., \$2.25; 25 lbs. or more at 20c, not postpaid.

Shady Nook Mixed Lawn Grass

A mixture of fine grasses which will do well in the shade. Eliminate those bare places north of the house and under trees by using Shady Nook. 1 lb., 45c; 5 lbs., \$2.00; 10 lbs., \$3.50; 25 lbs. or more at 33c, not postpaid.

Creeping Bent Grass

Without question the best grass for putting greens. It spreads by means of runners and forms a heavy turf which smothers dandelions, crab grass and other weeds. It has done so well on golf greens that it is now being used for lawns also. One pound to 450 square feet. Not recommended for hot, dry section. Lb., \$1.00.

Kentucky Blue Grass

The standard grass in America for lawns and pastures. For lawns one pound should be sown for every 150 feet or for every plot 10 by 15 feet, for pasture 30 pounds to the acre. Lb., 25c.

Sweet Sorghums

Prices 10c per lb., in small quantities. See Pink List for prices in larger quantities.

Popularly recognized by reason of their sweet sap or juice, from which syrup and sugar are made. They are of tall, leafy growth, branching only sparingly, and the seed head varies from the club head to the widely spreading head. The seeds are red or reddish yellow and usually protrude from between the glumes which vary from deep red to black in color.

JAPANESE HONEY-DRIP—A large, leafy, sweet sort which makes a heavy yield of forage and syrup.

BLACK AMBER—Characterized by slender stalks and narrow leaves. Seed heads, or panicles are black and vary considerably in shape and size, are pyramidal or cone-shaped in outline with spreading branches.

KANSAS ORANGE—Differs from the Amber variety in having larger and heavier stalks and larger and more abundant leaves. Seed heads are also heavier and much more compact than the other varieties. Seed reddish yellow.

RED TOP OR SUMAC—Stout, stocky variety with an abundance of large, broad leaves. Seed heads or panicles are stout, thick, cylindrical and erect, 6 to 9 inches long; frequently blunt, and sometimes somewhat spreading at the top. Seed brownish red in color. Matures in 120 days.

SOURLESS—A western Kansas variety. Similar to the Kansas Orange not quite so sweet, but less likely to sour.

ATLAS SORGHO—New variety. Cross between White Kaffir and Sourless Cane. Grain resembles white kaffir and can be used for feed in the same way as kaffir. Stalk tall and sweet like sorghum, makes good forage or silage. Good yielder and drought resister. Highly recommended by Kansas State Experiment Station.

Grain Sorghums

See Pink List for prices.

The non-saccharine sorghums have a stouter stalk, with considerable juice, which is, however, less abundant and less saccharine than in the sweet sorghums. Because of the shape and position of the head and the shape of the seed they may easily be separated into two groups known as the Kaffir Group and the Dhoora Group. We offer varieties from both of these groups.

HEGARI (Dwarf)—This greatly resembles the Dwarf Blackhulled white kaffir, but the heads are larger. Its stems are thicker than kaffir and more juicy. Grows from 4 to 4½ feet tall and matures in 85 to 100 days. It stools from the ground and each plant bears from 2 to 5 heads. The yield is enormous. This heavy yield and the earliness combine to make a wonderful variety.

WHITE KAFFIR—The old standard. Has a strong stem, with wide leaves which make excellent fodder either green or dried.

PINK KAFFIR—Ten days to two weeks earlier than white kaffir and is less apt to be ruined by frost. Keeps right on growing in dry weather. Stalk is slender but makes as much fodder as the other kaffirs. Heads are long and slender.

RED KAFFIR—Taller than the white and stalks are more slender but juicy and leafy. The seed is small and rather hard and brittle. Does well on poor land and ripens a little earlier than the white.

SHALLU OR EGYPTIAN WHEAT—Produces very large yields of both grain and fodder. On account of its stooling habit, 3 to 6 stalks are produced from a single grain. Heads are similar to broom corn heads and are well filled with plump, round, white seeds.

DARSO—A new grain sorghum with a low-growing, sweet juicy stem, with 12 to 13% of sugar in the juice. Heavy yielder, grows very dwarf.

FETERITA—Matures earlier than Kaffir Corn. Grows about five feet high. Excellent for feeding chickens or any stock. Valuable for its ability to withstand dry weather.

YELLOW MILO MAIZE—A vigorous grower. It will stand great drought and is more dependable than kaffir.



GROHOMA

A new, heavy yielding grain sorghum which is showing much promise in Oklahoma and Kansas. Stands much dry weather.

Millet

Used in this country principally as a catch crop and for this purpose is very valuable, as it can be sown quite late and still make an excellent crop of hay. A very good crop to grow on foul land to get rid of weeds.

WHITE WONDER MILLET—The heads of this variety will run from eight to 18 inches and a single head will have as many as 15,000 seeds. Foliage is very heavy and the leaves broad, resembling those of corn. It produces an immense amount of excellent fodder which cures very readily.

COMMON MILLET—Very early and makes first class hay.

SIBERIAN MILLET—Early, hardy, withstands drought. Used in the North a great deal.

PEARL MILLET OR PENCILLARIA—An annual of rapid growth, throwing out numerous suckers. Can be mowed several times a season. If allowed to grow 6 or 7 feet high it makes a tremendous amount of fodder. Per lb., 25c.

GERMAN MILLET—Enormous heads, heavy yield of seed and fodder.

CULTIVATED GERMAN MILLET—Purest and highest type of German Millet. Grown especially for stock seed.

JAPANESE MILLET or "BILLION DOLLAR GRASS"—Widely known as the Billion Dollar Grass, and also barnyard grass. It reaches an average height of 7 feet and yields 6 to 8 tons of cured hay and 15 to 18 tons of green forage per acre. In drills plant 10 to 12 pounds per acre; broadcast 18 pounds per acre. Lb., 10c.

Broom Corn

Adapted to any place where there is three months of good growing weather. Light, sandy soils produce finer brush. The various processes of cutting, hauling, drying, threshing and preparing the brush for market require considerable knowledge and experience. A person should therefore either get full information from an experienced grower or grow Broom Corn on a rather small scale the first season.

SCARBOROUGH DWARF BROOM CORN—Very popular in the broom corn growing section. Reaches a height of five to six feet and is earlier than the common dwarf. Seed is on the upper third of the head, and threshes easily and clean. Straw is round, threadlike and preferred by all manufacturers.

BLACK JAPANESE BROOM CORN—The length of the brush and the freedom from center stem make this a very desirable variety. The plant grows 10 feet tall and the brush 26 inches long.

IMPROVED EVERGREEN—This broom corn grows about 10 feet high, stands up well, and is entirely free from crooked brush. Fiber is long and fine.

Dwarf Essex Rape

Excellent pasture for cattle, sheep, hogs and chickens. Endures cold weather and lasts after ordinary pasture is gone. Sow on wheat stubble for fall pasture, either broadcast or in rows. In drills it takes three to five pounds and broadcast five to 10 pounds per acre.

Prices of Field Seeds do not include postage. For prices of Field Seeds in quantities, please see our Pink List.

Cowpeas

Cowpeas have the same ability to improve the soil as do clovers and alfalfa. They are easily planted, easily grown, make good pasture, can be fed green, make fine hay and excellent ensilage, especially when planted with corn. The decaying roots and stems add food value to the soil and the whole vines are often turned under for fertilizer. Chinch bugs will not eat cowpeas. See Pink List for prices.

Field Peas

Field Peas deserve more general cultivation. They are equal to corn in fattening hogs and are ready for feed several weeks earlier. Can be sown advantageously with oats and are beneficial as a fertilizer. White Seeded. Lb., 10c.

Soy Beans

A wonderful soil improver, makes very nutritious hay, excellent ensilage, and as feed take the place of oil or gluten meal.

A. K. SOY BEANS—Matures in from 100 to 120 days. Seed yellow with a pale yellow to black seed scar. Erect grower, good yielder.

MANCHU—Medium early, seeds yellow with black scar. A good yielder and matures in 100 days. Very popular in the middle west.

BLACK WILSON—Medium late, height 30 to 38 inches, seed dark green, plant bushy with medium rank foliage.

VIRGINIA—Medium early, height 54 to 66 inches, seed light green, upright growing type, with foliage inclined to vine. Fair yield.

MID-WEST—Medium late, height 30 to 38 inches, seed dark green, bushy with rank foliage, pods small but yield is heavy.

Ask for Our PINK LIST

You received one with this catalog, which gives prices of all field seeds in large quantities and which are not priced in the catalog.

Fluctuation of the market makes it necessary to issue the Pink List in order to give you lowest market prices at all times.

PEANUTS

Very popular for dry land farming and are now grown as far north as Iowa with success. Good feed for forcing cows to a high yield of milk and for rapidly fattening cattle and hogs, especially when combined with Milo. A peck and a half of shelled peanuts will plant an acre.

WHITE JUMBO—Standard variety for roasting. Three times as large as the Spanish, are from $\frac{1}{2}$ to 1 inch in length and of fine flavor. Lb., 20c.

SPANISH—Very early, pods are small but remarkably well filled and solid, and the yield is very large. Very good for fattening hogs. Lb., 20c.

TENNESSEE RED—Best yielder. Pods contain four or five nuts. Pure seed of this variety is very scarce. We have a limited amount of the very finest quality seed. Lb., 20c.

INOCULATED PEANUTS MAKE A LARGER YIELD.

Field Beans

WHITE NAVY—Standard variety of white beans. Medium size. Sow 30 pounds to the acre. For table use.

Castor Beans

Will succeed on any corn land. Should be planted in rows so that they can be cultivated and planted at the rate of about one bushel to 15 acres. Lb., 15c.

Mammoth Russian Sunflower

Single heads measure 15 to 20 inches in diameter and contain an immense amount of seed. The best egg-producing food known for poultry, and can be raised cheaper than corn. Three pounds of seed will plant an acre. Lb., 15c; 4 lbs., 50c.

Sand Vetch (Vicia Villosa)

Sometimes called Hairy Vetch or Winter Vetch. Valuable for forage and fertilizing purposes. Makes good hay, ensilage and pasture, and the yield of green fodder is immense.

SPRING VETCHES OR TARES—Similar in growth to Sand Vetch, but for spring planting only.

HEMP SEED

This is a crop that deserves more attention. The seed can be marketed with us. The fibre is in demand in the Eastern markets. Lb., 15c.

Kanota Oats (Kansas Fulghum)

Especially valuable for its earliness and ability to yield large crops. Growers have uniformly reported Kanota to be 7 to 10 days earlier than Red Texas and the yield 5 to 15 bushels per acre larger. We have some genuine Kanota Oats and refer you to our Pink List for prices.

RED RUST PROOF—Largely grown in this state; a heavy yielder and sure cropper, entirely rust-proof and makes a heavy grain. Our stock is Kansas grown, from seed obtained from Texas and we know it will prove satisfactory.

Speltz or Emmer

A dry-land grain introduced from Russia, which is a species of drought-resisting barley, and not inclined to rust. Thrives on poor land and in stony ground, but does best in dry prairie regions with hot summers. Sow 70 to 80 pounds per acre.

Barley Sow 60 to 90 pounds per acre.

WHITE HULLESS—Used mainly for food and is one of the best hog fatteners that we know of. Equal to the best Kansas, Iowa, Nebraska or Illinois corn as a fattener. Yields about 50 bushels per acre.

SIX-ROWED—Succeeds best on light, sandy soils. Sown in the spring, and can be grown farther north than any other grain. Sow 2 to $2\frac{1}{2}$ bushels per acre.

Buckwheat

SILVER-HULLED—Blooms longer, matures sooner, and yields double the amount per acre over the old common variety. Husks are thinner, corners less prominent and seeds are of silver-gray color. Sow 30 to 50 pounds per acre.

JAPANESE BUCKWHEAT—A new variety which is becoming very popular. It is early and very productive, with kernels twice the size of any other variety, of a dark rich brown color and makes a superior flour.

FLAX SEED

Largely grown in Kansas for seed. Sow one-half to three-quarters bushel to the acre. Can furnish choice, re-cleaned seed any time at market price.

CANARY SEED

As easily grown as wheat. Requires similar culture, 20 to 30 pounds per acre. Lb., 15c.

Acme Insecticides and Fungicides

Acme All Round Spray

Here is the complete insecticide and fungicide for the flowers, vegetables and shrubs in the small garden.

Insects and plant diseases fall into three main classifications.

First. Sucking insects such as aphids, plant lice, thrip and leaf hopper. The Nicotine Sulphate in All Round Spray effectively controls this class.

Second. Chewing insects such as beetles, slugs and worms. These are controlled by the Arsenate of Lead in All Round Spray.

Third. Blight and fungus diseases are prevented from gaining a foothold by the Bordeaux Mixture in All Round Spray.

All Round Spray offers you in one package complete control of sucking insects, chewing insects and fungus diseases.

Full directions for using it are on the package. Buy All Around Spray with your seeds. You'll need it sooner or later.

1/4 lb., 45c; 1 lb., 95c.

Cannot Be Mailed.

Acme Paris Green

A rich, emerald color and of fine fluffy physical character. Containing 55% arsenious oxide, it will give quickest control where extreme measures are necessary.

For use on potatoes, cotton, tobacco, also to mix with arsenate of lead for fruit tree spraying where quick results are necessary.

Prices: 1/4 lb., 15c; 1 lb., 45c.

Cannot Be Mailed.

Acme Arsenate of Lead

The most favored arsenical insecticide found on the American market. It is safest to use on tender foliage and sticks well on the leaves. Recommended for fruit trees, vegetables, bushes and tobacco. Can be used as dust or spray.

Price: 1/2 lb., 25c; 1 lb., 40c.

Cannot Be Mailed.

Acme Bordeaux Mixture

Prevents large losses caused by blight, rot, mildew, scab, anthracnose and certain other fungous diseases. It stimulates plant growth and greatly increases the harvests. Almost every kind of vegetable, fruit and shrub can be greatly improved by the early use of Bordeaux Mixture.

Prices: 1 lb., 35c; 4 lbs., 80c.

Cannot Be Mailed.

Acme Lime Sulfur

A standard 33° Baume lime and sulphur converted into a dry powder but having all the effectiveness of the liquid product when dissolved in water.

For use in dormant spraying against scale, peach blight, leaf curl and twig borer. Summer spraying against scab, soot, blotch, red spider and mite.

Prices: 1 lb., 30c; 5 lbs., \$1.25; 10 lbs., \$2.00.

Cannot Be Mailed.

Acme Spray Soap

A (fish oil) soap effective in destroying many sucking insects and lice on plants, trees, ferns, etc. Also used extensively with cylinder oils in making oil emulsions to reduce the surface tension.

Its use with Nicotine greatly increases the value of that spray.

Prices: 1 lb., 40c; 5 lbs., \$1.60, postpaid.

Acme Garden Guard

A garden insecticide and fungicide for use as a dust. No water, no mixing, no muss.

For use on cabbage, cauliflower, tomato plants, melon vines, currants and gooseberries and other vegetables, flowers and shrubs of many kinds.

Prices: 1 lb. after carton, 25c; 5 lbs., 80c.

Cannot Be Mailed.

FOR PRICES OF INSECTICIDES IN LARGER QUANTITIES, SEE OUR PINK LIST.

Write for ACME SPRAYING GUIDE Free

KALITE

QUICK-KILLING FINE DUST

For control of most chewing insects, such as Striped and Spotted Cucumber Beetles, Mexican Bean Beetles, Blister Beetles, Flea Beetles, and other beetles, which it kills instead of repels. For Leaf-Eating Caterpillars, Worms, certain Red Spiders, as on evergreens.

Contains no arsenic. Safe to use as any residue comes off easily with plain water washing.

For vegetables, flowers, fruits, ornaments.

Ready prepared and economical. Just dust it on. Gives fine coverage and protection, with plant safety.

PRICES

1-lb. can.....	\$ 0.35
3/4-lb. can.....	1.00
25-lb. drums....	5.00
100-lb. drums....	15.00

MAILABLE



CONTAIN NO ARSENIC,
LEAD OR COPPER

KALO SPRAY

Used as a wet spray with water. Replaces arsenate of lead and Paris Green for most purposes. For the same insects as KALITE (except Red Spider). For Codling Moth on apples, Oriental Fruit Moth and Curculio on peaches. Ideal for large fruit and vegetable crops. Residue, unlike arsenic, readily removable with normal plain water washing.

PRICES

1/2-lb. can	\$ 0.35
4-lb. bag	1.40

Ask for FREE Copy of
KALO GROWERS' GUIDE

KALOIL

NON-POISONOUS PYRETHRUM SPRAY—NEEDS NO SOAP

A modern universal insecticide giving the full benefit of pyrethrum combined with a special oil which spreads a penetrating film which reaches insect hiding places. Readily mixes with any water for instant use. Free-flowing. Wonderfully efficient.

FOR MOST INSECTS

Particularly for sucking insects such as Aphids (plant lice), Mites, Leaf-Hoppers, White Flies, Thrips. For hard-to-kill insects like Squash Bugs.

Economical for large fields as well as for greenhouses and hot houses.

PRICES

1 1/2-oz. can....	\$ 0.35
6 -oz. can....	1.00
32 -oz. can....	3.85
1 -gal. can... 12.50	

MAILABLE



APHICIDE KILLS APHIS

Aphicide is the result of careful investigations and experiments to combine nicotine with a special combination dust carrier which permits the application of nicotine in a smoky dust. This dust is so fine that it resembles smoke and penetrates even to the underside of the leaves.

Melon and cucumber growers should keep Aphicide on hand at all times and be prepared to kill the aphis as soon as they appear.

Aphicide No. 10 kills Onion Thrips. This dust when blown on the plants reaches the Thrips readily and kills them; resulting in thrifty plants when otherwise the crops might be destroyed.

It is very effective on the Striped Cucumber Beetle. Cannot be mailed.

Price, lb., 35c; 5 lbs., \$1.35; 25 lbs., \$5.95; 100 lbs., \$22.40; f. o. b. Lawrence, Denver or Rocky Ford, Colo.

Cannot Be Mailed

BLACK LEAF 40 (Nicotine Sulphate Cannot Be Mailed)

This is splendid for use as a contact spray to kill green and woolly Aphis, Plant Lice, Red Spiders, Cabbage Aphis, and Onion Thrips. It is especially effective for the green aphis or Plant Lice on Roses, Sweet Peas, Shrubs and Apple trees. "Black Leaf 40" is excellent for dipping animals and controls sheep ticks and lice on sheep, cattle, hogs and other animals. "Black Leaf 40" painted on the roosts of your chicken house will release fumes which will penetrate the feathers of the birds and kill all body lice, without any interference with egg production nor any discomfort to the birds.

Price, per ounce bottle, 35c, makes 3 to 6 gallons of spray; 5 oz., \$1.00; 2 lbs., \$3.25. Cannot be mailed.

Clipper Seed and Grain Cleaners

You no doubt have admired the purity of our Alfalfa, Clover, and other seeds. All of these were cleaned on Clipper Mills and show the quality of the work done by these excellent cleaners. We have been using Clipper Mills in our warehouses for over 40 years and we know that they do good work.

The Clipper cleans by means of screens which separate the grains of different sizes and also by means of a vertical air blast which separates seeds of different weights. This is an exclusive feature of the Clipper and by means of this, light and shrunken grains can be blown out of the plump, heavy seeds.

Each mill is equipped with a complete set of twelve screens especially selected for general seed and grain cleaning.

The No. 1B and No. 2B are identical except in size, capacity, and price. We can furnish a six inch driving pulley so that power can be used, for 50c extra.

F. O. B. Lawrence

No. 1B	\$36.00
No. 2B	43.00

F. O. B. Denver

No. 1B	\$41.00
No. 2B	47.00

Price include the full set of twelve screens.

The Cyclone Seeder

The Cyclone Seeder will distribute the seed perfectly even and will not throw it in an upward direction or against the operator but direct and evenly to the ground.

The machine is supplied with a patented interlock, double flange, non-solder tin distributing wheel and an automatic feed adjustment so that the seed can be let on or shut off instantly.

Three special features of the Cyclone are—Slant Feed Board, Sheet Steel Oscillating Feed Plate, Non-Solder Tin Distributing Wheel. Price, each, \$2.00, postpaid.



Royal Wheelbarrow Grass Seeder

They are the most accurate and economical machines for sowing Clover, Timothy, Alfalfa, and other small seeds broadcast. They run easily and sow evenly in windy weather. The quantity of seed sown is accurately governed by the wheel, which moves correspondingly slow or fast as the ma-



Use EVER GREEN NON-POISONOUS INSECTICIDE to PROTECT YOUR GARDEN

Ever Green is recommended for killing a wide variety of plant insects. It will do the work of most all others combined. Here are just a few of the insects on which it has been tested and proved—

Plant lice	Rose Slugs	Mealy Bugs
Cabbage Worms	Rose Chafer	Leaf Hoppers
Cut-Worms	Squash Beetles	Potato Beetles
Cucumber Beetle	Red Spider	Japanese Beetles
Thrips	Currant Worm	

Ever Green is absolutely harmless to humans, animals and birds. It kills only insects. No danger of poisoning with Ever Green around the house. Vegetables and fruits sprayed with arsenic retain the poison despite several washings. An acid wash is the only sure method of removing arsenic. Undoubtedly a large proportion of acute stomach illness is caused by eating arsenic on such produce as celery, cabbage, apples, lettuce and berries. Vegetables and fruits sprayed with Ever Green do not require special washings.

POSTPAID PRICES

1 oz. bottles, 35c; 6 oz. bottles, \$1.00; 16 oz. bottles, \$2.00;
32 oz. bottles, \$3.50; 1 gallon bottles, \$11.50.

Hammond's Slug Shot

Apply by dusting over the plants. It kills potato bugs, black fleas on cabbages, turnips, beets, radishes and egg plants, cabbage, currant and gooseberry worms, aphids and green fly on roses, and is sure death to slugs on roses. Lb., 25c; 5 lbs., 60c; 50 lbs., \$5.50; 100 lbs., \$9.00. Postage extra.



chine is run over the ground. This seeder does not injure or bunch the seed, but distributes it evenly the full length of the hopper.

No. 11—Single Hopper Seeder. Sows all small seeds like clover, timothy, and alfalfa with hopper 14-ft. long. Price, each, \$13.00.

No. 12—Double Hopper Seeder. Sows all small seed like clover, timothy, and alfalfa with hopper 14-ft. long. Price, orchard grass, and clean blue grass, with hopper 14 feet long. Weight of seeder complete, 40 to 50 pounds. Price, each, \$15.00.

Cahoon's Patent Hand Seed Sower

For sowing alfalfa, wheat, oats, barley, rye, buckwheat, grass seeds, etc. The grain is held in tight sheet iron hopper, surrounded by a bag that will hold a bushel of seed. This is suspended by a strap from the operator's neck and held in position by a strap around the waist. The seed is thrown from eight to twenty feet on each side of the operator, the heaviest seed being thrown the greatest distance. Price, \$4.50. postpaid.

Asparagus Knife and Dandelion Digger



The best tool we have ever used for digging Dandellions. 40c each, postpaid.



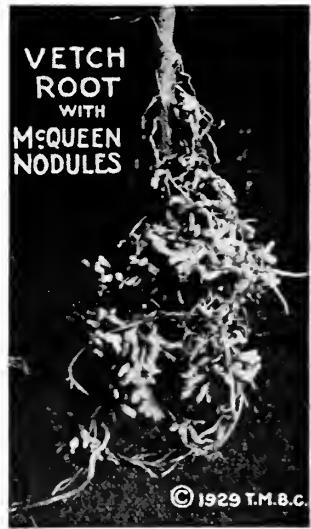
USE THE OLD RELIABLE

McQueen's Inoculator

SOIL BACTERIA of proven worth for use with Legumes

FOR ALFALFA, CLOVERS, SOYBEANS, PEAS, BEANS, VETCH, PEANUTS, etc.

Increases Crops, Hastens their Maturity, Enriches the soil.



Nature's Own Fertilizer

Simply mix the INOCULATOR with the seed, either with or without water. As plants grow, nodules form on the roots and fill with Nitrogen, which becomes valuable plant food.

A Recognized Product For Seventeen Years

The bacteria in McQUEEN'S INOCULATOR are field bred and have survived the intense processing that all McQueen cultures must undergo before they are ready for use. THEY ARE VIGOROUS NODULE PRODUCERS. Look for the name McQUEEN'S; demand the genuine. No other equals it. THE ONLY INOCULATOR GUARANTEED TO PRODUCE NODULES; otherwise goods will be replaced or the purchase price refunded.

NEW LOW PRICES—Order for the amount of seed you wish to treat.

For Alfalfa and all types of Clover,
including Bur and Hubam

½ bushel size (30 lbs. seed).....	\$0.50
1 bushel size (60 lbs. seed).....	.75
2½ bushel size (150 lbs. seed).....	1.50
5 bushel size (300 lbs. seed).....	2.25

GARDEN PACKET

For Peas, Beans, Limas,	
Sweet Peas.	

Per packet

15c

For Soybeans, Vetches, Peas, Beans,
Cow Peas, Lespedeza, etc.

1 bushel size (60 lbs. seed).....	\$0.50
2 bushel size (120 lbs. seed).....	.75
5 bushel size (300 lbs. seed).....	1.50
10 bushel size (600 lbs. seed).....	2.25

ALWAYS STATE KIND OF SEED YOU WISH TO INOCULATE.

POULTRY FOOD AND SUPPLIES

Barteldes Sunflower
Chick Feed

Here are two feeds that are made for quality and we have made them just as good as we know how. They are made up of good, clean, high quality ingredients; mix the proportion to give best results.

For prices please see our Pink List.

Barteldes Sunflower
Hen Feed

Cryscro Grit

This is a lime grit and therefore does the work of both grit and oyster shell. Keep it before your chickens and chicks at all times. We have both fine and medium. See Pink List for prices.

We carry the following poultry feeds in stock at all times: Coarse Poultry Bone, Fine Poultry Bone, Meat Scraps, Oyster Shell, Sunflower Seed, Ground Oil Cake, Charcoal, Kaffir, Millet, and other feeds. See our Pink List for latest prices.

Improved Adjustable Leg Bands

Made of pliable aluminum and can be adjusted to any size. They stay where they are put, will not come off, and are light. Postpaid, 12 for 15c; 25 for 30c; 50 for 50c; 100 for 90c; 250 for \$2.00.

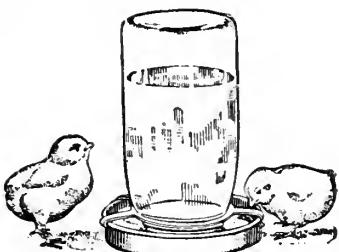


This is a handy little pocket size punch, easy to use and is well made. Price, 25c, postpaid.

N. W. Fountain

and Feeder

A five-inch simple and practical fountain which we can furnish at a very low price. You can feed either grain or water in this feeder. Price 10c each; 3 for 25c, postpaid.



CLIMAX ROTARY SPRINKLER

A very low priced sprinkler which has all the features of a much more expensive sprinkler, in that no adjustments are required; waterwheel breaks water into rain-drop formation; water pressure enables the climax to retain its position when set; it will not corrode, rust or lime up. There is nothing to get out of order—so simple and easily handled that a child can use it. It will last for years, and the price is only \$1.00 each, postpaid.





Spray Pumps and Dusters

Auto Spray No. 26



26AG—Tin Pump and Glass Jar. Practically unbreakable glass jar enables operator to see exact amount of solution in sprayer. May be used as a measure, is easily cleaned and will withstand all solutions. Handles all disinfectants, insecticides, B-K, etc. This sprayer is used extensively as a blow torch for destroying insect pests, removing paint, etc., \$1.15. If ordered postpaid add postage for 2 lbs. for either 26B or 26AG.

Barteldes Faultless Sprayer

One of the best low-priced tin sprayers on the market. Useful for applying lice sprays in the hen house, for applying carbola, and for insecticides on rose bushes, shrubs and plants. Price 35c. Postage, 2 lbs., parcel post extra.

Auto Spray No. 1

Fully guaranteed and money refunded if not satisfactory after ten days. It is useful and practical for every variety of spraying, such as for shrubbery, vines, up to five acres of field crops, disinfectants and small whitewashing jobs.

Each machine fitted with 2 feet of $\frac{1}{2}$ -inch hose, fine spray nozzle, strongest construction possible and the troublesome safety valve is not necessary. Capacity three gallons.

The pump is two inches in diameter and of heavy, seamless brass. Can be easily removed and locked in by means of a cam. Absolutely air-tight and no screw connections of any kind. Two or three pumpings will empty the tank under high pressure.

The pump plunger can be removed and reinserted by simply drawing the leather cup into a sleeve. There is no wrinkling or disarranging the cup while inserting into the cylinder.

Each machine fitted with 2 feet of $\frac{1}{2}$ -inch hose, fine spray nozzle, solid stream cap, extension pipe and automatic shut-off.

The automatic shut-off is a great labor and solution saver and draws a cleaning wire through the nozzle at each operation.

Auto Spray No. 1B—Brass tank with Auto Pop and Extension. Price, \$10.00.

Auto Spray No. 1D—Galvanized tank with Auto Pop and extension. Price, \$6.75.

Extra Auto Pop—Which is a patented device for controlling the spray and cleaning the nozzle aperture. Each, \$1.50.

Underspray Attachment. Made of brass. Each, 35c.
Extra extension pipe of brass. 2 feet long, 50c.

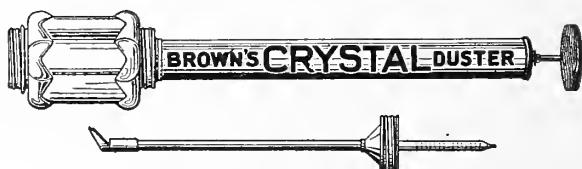


Bronco Sprayer

The Bronco is an economical compressed air sprayer of $3\frac{1}{4}$ gallons capacity. Made of heavy copper bearing galvanized sheet steel with pressed steel locking cap. Has 18 inch brass extension and all brass shut-off nozzle. A wonderful sprayer for the money.

Price, \$4.25, not postpaid.
Shipping weight 10 lbs.

Bronco
\$4.25



Crystal Duster \$1.30

Postage extra. Weight 3 lbs.
Continuous discharge, durable glass jar, large discharge tube and fan shaped spreader nozzle. Fine for all dusting jobs.



Duster Brown No. 1

60c, postpaid.
A dandy little $\frac{1}{4}$ -pint Duster.

Cyanogas

Kills rats, mice, ground hogs, woodchucks, prairie dogs, moles, pocket gophers, chinch bugs, ants and other insects. Cyanogas A is a grayish powder that gives off hydrocyanic-acid gas when exposed to the air. This gas is deadly to rodent and insect pests and will kill them almost immediately.

Write us for special circulars giving full information about the uses of Cyanogas.

Cyanogas A

1 lb.	\$ 0.75
5 lbs.	3.00
25 lbs.	10.00

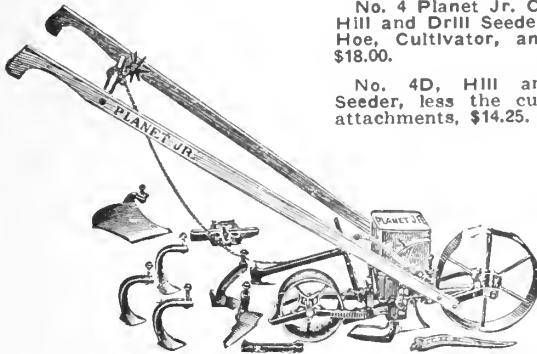
Cannot be mailed.

Cyanogas Dusters

Model No. 1.....	\$1.40
Model No. 32.....	4.00
Foot Pump	4.75
	Postpaid.

HIGHEST QUALITY

The Planet Jr. way takes the drudgery out of labor, and produces bigger, better crops. Planet Jrs. are the greatest time-savers ever invented for farm or garden; and the most economical cultivating tools you can use. If you are interested in any garden or horse tools let us send you complete the Planet Jr. catalog.



This accurate, durable, and easy-running tool sows all garden seeds from the smallest up to peas and beans in hills, 4, 6, 8, 12, or 24 inches apart, or in drills at the proper thickness and depth; rolling down and marking out the next row at one passage. No time is lost. No seed is wasted. By removing the seeder parts you have a first-class single wheel hoe with a set of specially hardened steel tools.

NO. 3 PLANET JR. HILL AND DRILL SEEDER—Holds three quarts and sows accurately. Price, \$17.50.

NO. 25 COMBINED HILL AND DRILL SEEDER, DOUBLE WHEEL HOE, CULTIVATOR AND PLOW—A most complete tool that will do all the work in the garden. Price, \$21.50.

NO. 35—SEEDER ATTACHMENT. Fastens with one bolt to any Planet Jr. Wheel Hoe or Garden Plow. Opens the furrow, sows and covers the seed with one operation. Weight 9 pounds. Price, \$6.50.

NO. 11 DOUBLE WHEEL HOE, CULTIVATOR, PLOW AND RAKE—A single and double wheel hoe in one. Straddles crops till 20 inches high, then works between. The greatest hand-cultivating tool in the world. Price, \$13.75.

NO. 12 DOUBLE AND SINGLE WHEEL HOE—The equipment consists of one pair hoes, one pair plows, four cultivator teeth and a pair of leaf lifters. Price, \$10.75.

NO. 13 DOUBLE WHEEL HOE—Is equipped with a pair of 6 inch hoes only. Other tools can be added as needed. Price, \$8.00.

NO. 16 SINGLE WHEEL HOE, CULTIVATOR, RAKE AND PLOW—The equipment consists of a pair of hoes, three cultivator teeth, two rakes and a plow. The handles are adjustable in height. The frame is steel, convenient and strong with a quick change device. Price, \$9.00.

NO. 119 GARDEN PLOW AND CULTIVATOR—The wheel is 24 inches in diameter with a rim 1½ inches wide, insuring easy running. The equipment consists of a plow, a wide cultivator tooth, three-prong cultivator teeth, and scuffle blade. Well made, light, strong and durable. Price, \$4.50.

Planet Jr.

GARDEN TOOLS FARM TOOLS

No. 4 Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe, Cultivator, and Plow, \$18.00.

No. 4D, Hill and Drill Seeder, less the cultivating attachments, \$14.25.

NO. 17 SINGLE WHEEL HOE—Steel Frame and Wheel. Equipped with two hoes, three cultivator teeth and a plow. Price, \$7.75.



NO. 17½ SINGLE WHEEL HOE—Equipped with a pair of hoes, three cultivator teeth and a leaf lifter. Weight 21 lbs. Price, \$6.75.

NO. 18 SINGLE WHEEL HOE—Has one pair of six inch hoes only. Other tools can be added. Weight 19 lbs. Price, \$5.75.

STAR PULVERIZER, LEVELER AND WEEDE—A tool designed for preparing the seed bed. A great tool for the small garden. It is pushed like a carpet sweeper. Weight 10 lbs. Price, \$5.50.

FIRE-FLY GARDEN PLOW—It will throw a furrow four to six inches wide and one to three inches deep, and deeper by going twice. Chicken raisers will find it of great help in plowing up their scratching yards. Weight 14 lbs. Price, \$4.25.

Planet Jr. Horse Tools

NO. 92D PLANET JR. TWELVE-TOOTH HARROW WITH NO. 4 EXPANDER—This tool has rapidly grown in favor with strawberry, tobacco and sugar-beet growers, market gardeners, truckers and farmers, because the 12 chisel-teeth, especially hardened, do such thorough work and because the tool is so convenient, durable and strong. The teeth leave the ground in finest condition. Weight 46 lbs. Price, \$9.75.

PLANET JR. TWELVE-TOOTH HARROW, CULTIVATOR AND PULVERIZER—The chisel-shaped teeth on this tool go as deep or shallow as you like, close to row, without injuring plants, cut out all weeds, stir the soil and mellow and fine it as with a garden rake. Any width from 12 to 32 inches. Weight packed, 74 lbs.

No. 90—Complete (Steel Lever Wheel and Pulverizer), \$17.00. **No. 90B**—Less Pulverizer, \$13.75. **No. 90D**—Less Pulverizer and Wheel, \$10.75.

NO. 8 PLANET JR. HORSE HOE AND CULTIVATOR—An extremely popular tool equipped with four 3-inch plates, one 4-inch plate, two side hoes, one 7-inch shovel. The frame is longer and higher than ordinary, the depth is under control at all times, the expander is accurate and positive and the frame is stiff, rigid and yet light. Packed weight 82 lbs. Price, \$16.25.

NO. 9 PLANET JR. CULTIVATOR—Equipped with four 3x8 inch cultivator steels, one 4x8 inch cultivator steel, and one lever expander. Very popular because of its strength, lightness, easy change of width, and perfection of work. Price, \$12.75.

Extras for Planet Jr. Hand Machines



Hoes



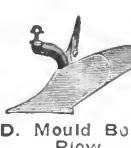
Rakes



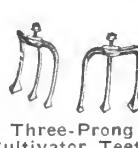
Cultivator Teeth



Plows for D. W. Hoes



D. Mould Board Plow



Three-Prong Cultivator Teeth



Plow for S. Wheel Hoe

HOES—S100 and S101 superceding C and D1 and C11 and D11. Made in four widths. Cutting 4½ inch. per pair, \$1.20; 6 inch, per pair, \$1.30; 7½ inch, per pair, \$1.50; 9 inch, per pair, \$1.65.

PEAT LAND HOES—Like the C & D Hoes, but with extra wide high shields to prevent dirt from falling back and covering the plants. 6 inch cut only, per pair, \$2.60.

DOUBLE MOULDBOARD PLOW—It can be set to furrow wide or narrow, or to hill much or little. Width at widest, 14 inches; narrowest, 10 inches. Each, \$2.40. With connecting piece for double wheel hoes and No. 25, 85c extra.

PLOWS FOR DOUBLE WHEEL HOES—M4 and N4 for cast frames, M5 and N5 for steel frames. Per pair, \$1.40.

CULTIVATOR TEETH—No. 1395. Fit combined seeders and double and single wheel hoes. Each, 35c.

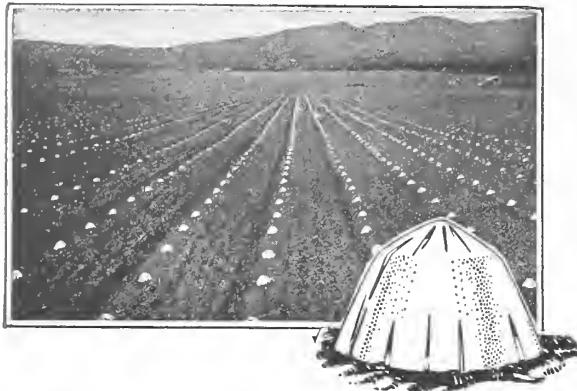
PLOWS FOR SINGLE WHEEL HOES—R3 for cast frames, R6 for steel frames. Each, \$1.10.

THREE-PRONG CULTIVATOR TEETH—For fine, deep work. Per pair, \$1.75.

ONION HARVESTER—8 inch size for onions and onion sets. These make splendid weeder. Each, \$1.60.

RAKES—Made in 3 sizes. Three tooth, per pair, \$1.00; five tooth, per pair, \$1.60; seven tooth, per pair, \$2.25.

NOTE—All attachments on this page will fit Planet Jr. Single and Double Wheel Hoes and Combined Seeders and Wheel Hoes, excepting Nos. 19, 31, 33, 60, 65, and 66.



THIS AMAZING NEW METHOD OF PLANT PROTECTION
GETS YOU HIGHER PRICES FOR LARGER
AND QUICKER CROPS

Higher Prices for Your Crop

Last year thousands of growers added to the value of their vine crops by using Germaco HOTKAPS—shown at left. This remarkable invention consists of a scientifically constructed wax paper cone that you place over each plant. Thus they are miniature hot-houses that protect plants from frost, wind, rain, insects and ground crusting.

HOTKAPS not only protect plants, but make them grow harder and faster. Thus you get a greater crop production to market earlier for higher prices!

You can add to your next year's profit with HOTKAPS. They cost but a fraction over a penny each. One man can "set" 3,000 HOTKAPS per day. They not only bring you higher prices, but are a method of crop insurance—against the danger of the elements.

Prices: 1,000 lots, \$11.00; 5,000 lots, \$10.75; 10,000 lots, \$10.50. 250 trial package, including special type garden setter, \$4.00; standard Germaco HOTKAP setter, \$2.50.

If you need HOTKAPS for your backyard garden, note these prices: 100 with garden setter, \$2.50; garden setter alone, 50 cents.

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Carey Gro-More Ground Covers—Mulch Paper

Carey Gro-More Ground Covers keep the ground warm and moist and this keeps the crops growing during the cold spring nights, when otherwise they would become chilled. They retain moisture and heat, the two most necessary things for growing plants.

Comes in two sizes, 18 inch width and 36 inch width, both containing 167 linear feet to the roll. Prices are:

18-Inch, per roll.....	\$1.50
36-inch, per roll.....	2.00

Not Postpaid.



Poison—Rat-scent—Poison

The Last Word in Rat Poisoning

Rat-scent is a specially prepared scented, sun-dried combination of grains which is the natural food of the rat and mouse. It is harmless to chickens, there is no bait to mix, no odor from rats and mice killed with Rat-scent. Dogs and cats are not attracted to it, on account of it being a grain. Tens of thousands of families are now using Rat-scent through our stores. Full directions on each package. 7 oz., pkg., 35c; 12 oz., pkg., 50c.

CANNOT BE MAILED

Antrol Ants Destroyed in Their Nests

New Method "Gets" Them at Their Source
—Safe, Permanent, Effective

The Antrol system is adapted to any size house or garden and quickly destroys all species of sweet eating ants. It is composed of small glass containers and a special formula of syrup. The containers are partially filled with syrup and placed about the outside edges of the house or along "ant" trails in the garden if the infestation occurs there. The ants smell the syrup, eat it and then transmit its mild poison to the queen in the nest. Soon the entire ant colony is destroyed!

The complete system should cover every 15 feet around the outside of the house or "ant" trails in the garden.

Prices—Antrol sets containing 4 containers and 1 4-oz. bottle of syrup, 95c; Antrol extra containers (each), 15c; Antrol syrup, 4-oz. bottle, 45c; pints, 95c; gals., \$3.75.

Cannot Be Mailed.



Used in preference to Straw, Hay, Sawdust, Shavings, etc., for BEDDING on Dairy, Poultry, Horse, Pig, Sheep and Goat Farms. Odorless and sanitary, checks vermin, keeps improved air in coops and stables. After serving as bedding it makes an excellent humus fertilizer, worth more than its original cost. Fine for improving the condition of heavy soil and holds light sandy soil.

Price, per bale, \$4.00, f. o. b. Lawrence.

T. N. T. POPCORN

It Bursts with a BANG!

This is the finest popcorn you ever ate.

Big, tender, tasty kernels that almost melt in your mouth.



Entirely different from ordinary popcorn. Get a package today from your nearest grocery store and you will never again be satisfied with ordinary popcorn.

If you cannot buy it from your dealer, send us your order. Raise some of this corn for yourself. It is a money making crop.

SEE PINK LIST FOR PRICES.

KEN-L-RATION DOG FOOD SUPREME

Ken-L-Ration is composed of clean, wholesome meat, the best grade of cereals and Norwegian Cod Liver Oil in exactly the right proportions to make a perfect balanced ration. 1 lb. can, 18c; 3 cans, 50c. Postage extra.

Maro-Meat

A clear meat-and-marrow product, too highly concentrated for feeding alone. Designed for large consumers, as a basic other and lighter material. 2½ lb. can, 45c. Postage extra.

Kib-L-Biskit

A broken biscuit—is a great convenience, as a few or as many of these Golden Flakes of Energy may be fed as desired. 35c box. Postage extra.

Kit-E-Ration (In Cans)

The Cat Food Supreme

Kit-E-Ration is a perfect balanced ration especially produced for cats and kittens.

The clean, wholesome, fresh liver, meat, cereals, cod liver oil and other ingredients are so combined in proper proportions to make Kit-E-Ration an excellent ration for the cat's or kitten's daily diet. Kit-E-Ration fed regularly will produce the fine, glossy coat desired in show animals. Feed as often as is your custom, and regulate the amount to the size and condition of the cat or kitten. 1 lb. can, 18c; 3 cans, 50c. Postage extra.

PEAT MOSS

Used in preference to Straw, Hay, Sawdust, Shavings, etc., for BEDDING on Dairy, Poultry, Horse, Pig, Sheep and Goat Farms. Odorless and sanitary, checks vermin, keeps improved air in coops and stables. After serving as bedding it makes an excellent humus fertilizer, worth more than its original cost. Fine for improving the condition of heavy soil and holds light sandy soil.

THE BARTELDES SEED COMPANY

POSTAGE Garden Seeds priced by the packet, ounce, one-fourth pound and pound are postage paid. Onion Sets, Corn, Grass and Field Seeds and Sundry Articles are not postpaid. On these regular parcel post charges.

**Send by State Whether by Mail,
Express or Freight**

Date.....

Name _____

AMOUNT ENCLOSED

Post Office..... **County**.....

Box or
R. F. D.....Street and No..... State.....

Shipping Station _____

Cash.....

Express Co., or Railroad.....

Stamps.....

WRITE NAME and ADDRESS VERY PLAINLY, SEND MONEY WITH ALL ORDERS. NO C. O. D. SHIPMENTS.

The Barteldes Seed Co. gives no warranty, expressed or implied, as to purity, description, quality, productiveness or any other matter of any Seeds, Bulbs or Plants they send out, and will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.

IF ANY SPECIAL INSTRUCTIONS, PLEASE WRITE THEM HERE

Date Filed Check Mail

Express
R. R.
Pack
Wahl.
C
Pkg.

The Barfieldes Seed Company

Lawrence, Kansas

POSTAGE

Garden Seeds priced by the packet, ounce, one-fourth pound and pound are postage paid. Onion Sets, Corn, Grass and Field Seeds and Sundry Articles are not postpaid. On these regular parcel post charges.

Send by State Whether by Mail

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Back Office

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Shipping Station

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THE JOURNAL OF CLIMATE

THE BARTELES SEED CO. GIVES NO WARRANTY, EXPRESSED OR IMPLIED, AS TO PURITY, DESCRIPTION, QUALITY, PRODUCTIVENESS OR ANY OTHER MATTER OF ANY SEEDS, BULBS, OR PLANTS THEY SEND OUT, AND WILL NOT BE IN ANY WAY RESPONSIBLE FOR THE CROP.

OUR, AND WILL NOT BE IN ANY WAY RESPONSIBLE FOR THE LOSS. IF THE PURCHASER DOES THIS MODEL, THE GOODS WILL HAVE TO BE RETURNED.

NAMES OF SEEDS AND OTHER ARTICLES WANTED
(Please Use One Line for Each Item)

**PRICE
TOTAL**

TOTAL

AMOUNT CARRIED FORWARD



POWERFUL B-K GERM KILLER

B-K (Bacili-Kil) is a powerful germ killer. It is not a poison, but is ten times more powerful as a germ killer than carbolic acid. Destroys germs almost instantly on contact. B-K is a concentrated sodium hypochlorite product—clean, colorless and a deodorant.

For the Poultryman

B-K is the most widely accepted non-poisonous germicidal agent nationally distributed through commercial channels. B-K is not a poison and may be freely used according to instruction charts without danger of possible injury to baby chicks or mature birds.

Feeding B-K in the drinking water at all times is very important to prevent spread of disease.

Prevention of disease is much easier and cheaper than the cure. Keep your poultry houses clean and sterilize frequently and the chances of disease infestation will be cut to a minimum.

For the Dairyman

The keystone of success in the production of milk is to maintain sanitary conditions.

B-K is the ideal solution for sterilizing and deodorizing because it is simple to use, economical and positive in action. You don't have to bother to heat water. Just make your dilution with cold water, according to our directions. This

will give you for $\frac{1}{2}$ cent to 3 cents a gallon, a rinse that will thoroughly sterilize your utensils and assure you of clean milk.

A Leader—For 20 Years

Do not practice false economy and use home-made or unstable chemical preparations. An official of the U. S. Public Health Service recently reported that out of 625 home-made sterilizing solutions that he tested, only one was found to be effective. B-K has been recognized by milk producers everywhere for nearly twenty years as the leader. B-K is the original sodium hypochlorite solution and its use assures you of the best results.

B-K PRICES	
4 oz.	\$ 0.35
10 oz.	.60
1 qt.	1.25
1 gal.	3.00
5 gal.	12.50

Not Postpaid.

INDOR FLY SPRAY

IMAGINE! One common house fly can carry 10,000,000 dangerous disease germs to your food and you. For the sake of your health and the health of your family, free yourself from this menace.

INDOR SPRAY is a highly refined insecticide spray which, when used as in indor spray, will not injure tapestry, upholstery and furniture. It is clean, clear and free from strong and lasting odors. Consequently, it will not impart an odor to foodstuffs. When sprayed, it gives a very light, pleasing odor, which soon disappears. INDOR is harmless to human beings and animals, but is sure death to flies, moths, ants, roaches, mosquitoes and bedbugs. Its extra strength makes INDOR a most effective insecticide. Pt., 65c; qt., \$1.00; gal., \$3.50; 5 gals., \$15.00, not postpaid.

Old Hickory SMOKED SALT

Ask your neighbors why they have forsaken the smokehouse for Old Hickory Smoked Salt.

Ask us to show you the genuine Old Hickory with the characteristic aroma and flavor of real hickory wood smoke.

Use your own family recipe. Mix Old Hickory the same as ordinary salt, then put it down and your troubles are over. No smokehouse necessary.

10-lb. can, \$1.00, not postpaid.

K-O FLY SPRAY PROTECT YOUR MILK PROFITS

Milk losses caused by flies amount to millions of dollars every year. Use K-O Fly Spray—Protect your profits—K-O Fly Spray builds up a protective film on the cow's hair, which repels the flies. It is non-poisonous and will not injure the cows when properly used—it is clear—has a pleasant odor—will not taint milk—and does not stain the cow. Qts., 60c; gal., \$1.50; 5 gal., \$6.75; 30 gal., \$35.00, not postpaid.

Old Hickory SUGAR CURE SMOKED SALT

Complete in each drum sufficient Old Hickory Smoked Salt Sugar Cure to dry sugar cure 110 lbs. of meat.

Ready to rub or brine. No fuss. No trouble, nothing else to buy. One operation salts, smokes and sugar cures your meat at the same time—no smokehouse necessary.

10-lb. can, \$1.00, not postpaid.

Barteldes

OUR THRIFTY PIONEER
FATHERS PRODUCED ALL
OF THEIR FOOD.
LET US BE
THRIFTY
TOO.

CLOVER AND GRASS
SEEDS WERE
NEVER CHEAPER
SOW NOW!



BUY
BARTELDES SEEDS
FROM YOUR LOCAL
DEALER HE IS
READY TO SERVE
YOU